

2016

flexovit

THE COMPLETE RANGE OF ABRASIVE PRODUCTS FOR

MERCHANDISING

*Catalogue and Price List
For Distributors*



HOW TO ORDER

Contact the Customer Service Department:

Post:	Saint-Gobain Abrasives Ltd Customer Service Department Doxey Road Stafford ST16 1EA
Telephone:	+44 (0)1785 279 553
Fax:	+44 (0)1785 213 487
Email:	sga-uk@saint-gobain.com
Opening times:	Monday to Thursday: 8.30am - 5.00pm Friday: 8.30am - 4.30pm

E-PARTNER

Saint-Gobain Abrasives offer two forms of electronic ordering; online ordering through Abrasive Connection or through a full EDI ordering facility. If you are interested in either please contact the Customer Service Department.

PRICING

Prices valid from January 2016.

They exclude VAT and are subject to change without notice.

Minimum Order Value of £100.

A handling charge of £20 will be applied to any net order value between £100 and £250.

Orders above £250 are delivered free of charge.

All orders placed via the online Abrasive Connection do not incur any handling charges for despatch.

RETURNS POLICY

Any return of product to Saint-Gobain Abrasives is subject to the pre-authorisation of your Saint-Gobain Abrasives Customer Service contact, who will give you a Returns Number if accepted. It relates to only standard stock items and is subject to a 25% handling fee, with a minimum charge of £25. The products must be returned in the original undamaged packaging, in full case quantities and must have been purchased in the last three months. Any goods returned without authorisation will not be accepted and will be returned to the customer at their cost.

All transportation costs for Customer Returns are the responsibility of the customer.

The Saint-Gobain Abrasives terms and conditions of sale are published at the end of this catalogue.

OUR CUSTOMER CHARTER

Every time you buy from us, we want you to have a great experience. In order to achieve this we're introducing our customer charter so you know what you can expect. We aim to deliver an informative, friendly and professional service; whether you are placing an order, need technical support or have a general question of any kind.

Saint-Gobain Abrasives UK Customer Charter

Our People

Polite, helpful, knowledgeable, aim to offer practical solutions effectively and efficiently.

Connected

We always work proactively with our customers, colleagues and suppliers, to ensure collaborative and mutual success.

Solutions

We understand our customers' needs and we always do our best to provide solutions to meet them.

Satisfaction

We aim to get things right first time, every time. If we don't we'll put it right.

Dedicated to delivering the best customer service we possibly can

Reshaping your world




SAINT-GOBAIN

To make this happen, we are asking our business to focus on four key areas, which are **all 'Dedicated to delivering the best customer service we possibly can',** each time you contact us.

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INTRODUCTION

THE FLEXOVIT MERCHANDISING PROGRAM

Introducing the new Flexovit range of products for all retail and merchandising environments.

This completely new, exciting and professional product range consists of a comprehensive selection of coated abrasives, cutting-off and grinding wheels, diamond blades, bonded abrasives and accessories – supported by a very thorough and dynamic marketing program.

The Flexovit merchandising program has been created with the objective to improve your abrasive category revenue – ‘helping you to sell more abrasives’.

The starting point is to provide a dynamic merchandising environment, focusing consumer attention and stimulating action. We can help to achieve through:

- Impact at point of purchase
- Clear product hierarchy – encouraging ‘trade-up’
- Ease of product selection
- Simple, uncluttered, attractive and informative design

We have also devised a simple, effective merchandising system based upon product use and value to the customer:

- Easy to display merchandising product packs
 - Smaller Pre-pack quantities
 - Larger Bulk pack quantities
 - Shelf Ready Packaging (bulk packs in self display boxes)
- High Impact, informative and easy to use POP graphic panels

Flexovit already has an exceptional heritage. In industrial applications it provides a very complete collection of high performance and high value abrasives, commanding an excellent market image which spans the globe.

Dedicated to sanding, cutting, grinding and polishing, this Flexovit product range has been developed as a direct result of listening, understanding and responding to both market and customer requirements.

With this very complete multi-tiered product line which offers affordable, professional quality supported by a dynamic marketing program, we will help to better educate our users, to use proven industrial and new innovative abrasive products to improve their quality of finish, ease of use and speed of task – **helping you to improve your abrasives category revenue.**



THE FLEXOVIT BRAND HISTORY

Founded in the Netherlands, Flexovit began manufacturing cutting-off and grinding wheels in 1958. By 1960, Flexovit had carved out its ambition to become a global player and began exporting products across Europe. This international development continued throughout the 1960's and 70's fuelled by the introduction of automated production presses ensuring continued manufacture of high performance quality wheels. With an excellent brand reputation Flexovit began adding to its product portfolio with coated abrasives, bonded abrasives and construction products.

Flexovit is a vital ingredient in an effective portfolio of brands from Saint-Gobain Abrasives. The mission is to deliver a portfolio of highly recognized brands with unique value, fulfilling the complete spectrum of customer needs.



Saint-Gobain Abrasives

Saint-Gobain Abrasives invests time and resources to understand and fulfill the evolving needs of our customers. This is reflected in its world-wide status as market leader.

With a strong presence in every continent, the Abrasive division serves its customers through 64 organizational units and industrial sites in 27 countries and employs 10 700 people. It is the only international manufacturer to produce each of the three major types of abrasives: bonded abrasives (resinoid and vitrified), coated abrasives and superabrasives (diamond) products.

The Abrasives business is committed to expanding technology and developing complete and innovative product lines, with an irrefutable reputation for quality and safety.

A CORPORATE PERSPECTIVE

Saint-Gobain is a global manufacturer and provider of high-technology materials and associated services. Abrasives forms one key part of the High Performance Materials Division of Saint-Gobain, which is one of the 3 key areas of activity in which Saint-Gobain operate. The other two sectors of activities are Glass and Housing Products.

Saint-Gobain at a Glance

- € 40 billion turnover
- Over 190 000 employees
- >1200 consolidated companies in 64 countries
- 15 R & D Centres

www.saint-gobain.com

DELIVERING A SUSTAINABLE FUTURE

In 2014 Saint-Gobain Abrasives launched this new sustainability plan aligned with our business values and vision. This 5 point plan of operational policies and practices underpins our commitment to sustainable development

as a global leader. We have made significant progress in advancing sustainability with a number of major accomplishments in each area which we have detailed below.

Our commitments to sustainable development

Our Vision

Be the **global leader** of reference in Abrasives, at the leading edge of **innovation** and **service**. Delivering the most comprehensive **Abrasive Solutions** to our customers.



Our Values

Comprehensively and strictly apply our Saint-Gobain Principles of Conduct & Action.

Conduct

- Professional commitment
- Respect for others
- Integrity
- Loyalty
- Solidarity

Action

- Respect for the law
- Caring for the environment
- Worker health and safety
- Employee rights



Pursue an ambitious policy to constantly **improve workplace health & safety**

In our Abrasives plants safety is our number one priority: lost time accidents have reduced five fold in 10 years

All operators individually assessed at least 3 times Per annum through the SMAT program (Senior Management Audit Tool) - 33,480 individual SMAT's conducted worldwide in 2014

66,969 hours of training worldwide on Saint-Gobain Safety Standards in 2014

Reduction of workplace hardship: exposure to noise, repetitive tasks, safety, ergonomics...

Reduction of exposure to chemicals

Annual world-wide EHS day



Our commitments to sustainable development



2. Continuously encourage the **personal development** of our employees

Saint-Gobain named as Top Employer 2015 for third consecutive year

Special focus on diversity, training and career management

Abra+ gives specific exposure of our young talents to senior management

60+ training courses proposed by Saint-Gobain Abrasives University and Saint-Gobain Training

Systematic employee satisfaction surveys



Our commitments to sustainable development



3. Be a **responsible & sustainable player** internationally & within our local communities

Founder member of FEPA and oSa, actively promoting the safety of abrasives

Sustainable development policies audited by VERITAS

Sponsors of local communities through initiatives such as social mobility, heating of local schools...

Extensive roll out of international standards ISO 9001, ISO 14001, OHSAS 18001

Internal testing & certification based on the following safety standards:

EN12413: 1999 (Bonded Abrasives) EN13236: 2001 (Super Abrasives)
EN13743: 2002 (Coated Abrasives) EN13236: 2001 (Diamond Blades)

Saint-Gobain are endorsers of the Caring for Climate statement and the CEO Water Mandate for Water Resource Protection (as part of the UN's Millennium Development Goals)

Third party supplier charters, timber regulations, CSR evaluations and audits, Adhere process, minerals policy...

Saint-Gobain is a member of the United Nations Global Compact



Our commitments to sustainable development



4. Minimize the **environmental footprint** of our operations with five priorities

Increase the energy efficiency of our production

Increase the use of recycled raw materials in our plants

Reduce our CO₂ emissions

Optimize our water resources

Strict waste segregation policy



Our commitments to sustainable development



5. Continuously **develop eco-valorized products** bringing additional value to our customers

The first abrasives manufacturer to produce FSC® products

Use of natural resins and recycled grains

High performance abrasive products & solutions that help to reduce environmental impact and user exposure:
- low noise
- low vibration
- low dust



Our commitments to sustainable development

HOW TO USE THIS CATALOGUE

The catalogue is divided into colour coded sections by product type – cutting-off and grinding wheels, bonded abrasives, coated abrasives, diamond blades and accessories.

At the beginning of each section you will find useful information, including; Selecting the Right Product, Material Application Guide, Understanding the Product, and Differentiation within the Range. This is followed by informative and easy to use product charts. The charts include all of the information needed to make your selection.

USEFUL INFORMATION

1. Identification of product types and grades is essential for correct selection and application. The product type and grade are indicated by the product type and grade code.

2. The product type and grade code is essential for correct selection and application. The product type and grade code is indicated by the product type and grade code.

3. The product type and grade code is essential for correct selection and application. The product type and grade code is indicated by the product type and grade code.

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10. The product type and grade code is essential for correct selection and application. The product type and grade code is indicated by the product type and grade code.

SELECTING THE RIGHT PRODUCT

Colour coding and specific application illustrations are used to differentiate between product types and to make product selection easier.

Chopper
Economy hand sanding sheets are ideal for general purpose applications.

General Purpose Aluminium Oxide Paper
This tough and cheap aluminium oxide with an open coat structure is ideal for general purpose sanding and stock removal.

High Performance Aluminium Oxide Paper
The tough and cheap aluminium oxide combined with a heavy paper backing makes this product extremely durable, long lasting, and ideal for off-hand sanding or power tool use.

Waterproof Paper
A tough, flexible, and durable with a closed coat structure makes this paper ideal for finishing. Waterproof Paper is specially treated making it ideal for use with water. The paper lasts longer and gives a smoother finish when used wet or in the water class. Lubricates and helps prevent clogging.

Finishing Paper
A ultra-fine, flexible, and durable with a unique and innovative structure coating. This Finishing Paper is specially treated making it ideal for use with water. The paper lasts longer and gives a smoother finish when used wet or in the water class. Lubricates and helps prevent clogging.

Emery Cloth Sheets
A high performance, emery abrasive cloth for fast and aggressive removal of paint, rust and rough surfaces. The fast cutting emery is backed with a heavy knit cloth, which allows the sheet to be torn into strips, giving superb flexibility for working on contoured or flat surfaces.

HAND SANDING SHEETS

GLASS PAPER SHEETS

PREPACK

Dimensions (mm)	Grade	Quantity per Pack	Pack Price	Article No.	Barcode	List Price per Pack £
230x280	Fine	4	50	6304023404	317625228861	5.48
230x280	Medium	4	50	6304023405	317625228862	5.48
230x280	Coarse	4	50	6304023406	317625228863	5.48
230x280	Assorted	4	50	6304023407	317625228864	5.48

TRADE PACK

Dimensions (mm)	Grade	Quantity per Pack	Pack Price	Article No.	Barcode	List Price per Pack £
230x280	Fine	10	100	6304023408	317625228865	13.64
230x280	Medium	10	100	6304023409	317625228866	13.64
230x280	Coarse	10	100	6304023410	317625228867	13.64
230x280	Assorted	10	100	6304023411	317625228868	13.64

SEMI BULK

Dimensions (mm)	Grade	Quantity per Pack	Pack Price	Article No.	Barcode	List Price per Pack £
230x280	Fine	25	250	6304023412	317625228869	34.10
230x280	Medium	25	250	6304023413	317625228870	34.10
230x280	Coarse	25	250	6304023414	317625228871	34.10
230x280	Assorted	25	250	6304023415	317625228872	34.10

GENERAL PURPOSE SHEETS

PREPACK

Dimensions (mm)	Grade	Quantity per Pack	Pack Price	Article No.	Barcode	List Price per Pack £
230x280	Fine	120	30	6304023416	317625228873	2.67
230x280	Medium	60	30	6304023417	317625228874	2.67
230x280	Coarse	30	30	6304023418	317625228875	2.67

PRO HIGH PERFORMANCE SHEETS

PREPACK

Dimensions (mm)	Grade	Quantity per Pack	Pack Price	Article No.	Barcode	List Price per Pack £
230x280	Fine	120	30	6304023419	317625228876	3.33
230x280	Medium	60	30	6304023420	317625228877	3.33
230x280	Coarse	30	30	6304023421	317625228878	3.33

TRADE PACK

Dimensions (mm)	Grade	Quantity per Pack	Pack Price	Article No.	Barcode	List Price per Pack £
230x280	Assorted	120	30	6304023422	317625228879	7.37

UNDERSTANDING THE FLEXOVIT PRODUCT RANGE

The new product line uses the powerful Flexovit yellow and iconic 'O' symbol to give impact and recognition in the merchandising environment.

This style is applied throughout the whole range with simple and direct communication using illustrations and icons supported where needed by text in eight European languages for easy product selection.

Flexovit and Flexovit PRO

There are two levels of product performance within the range – Flexovit and Flexovit PRO. The majority of the range are standard quality products with a good level of performance. Flexovit PRO products have additional premium attributes giving more advanced and professional performance levels.



PRO is synonymous with professional:

- Better quality product
- For the PRO DIY'er and professional tradesmen
- Professional performance.

All PRO products feature a PRO logo and a PRO attribute which explains the performance benefit.



LONGER LIFE

Within coated abrasives longer life PRO products are generally manufactured from aluminium oxide, combined with either a heavy paper or cloth backing material. This makes them incredibly durable and long lasting.

For diamond blades the products have a laser welded segmented rim with 10mm high segments which give extended product life.

PRO cutting off and grinding wheels have an advanced specification that gives them extended product life.

All Flexovit Merchandising PRO products with longer life attributes are ideal for more demanding applications or where regular product use is required.



STRONGER

The strongest backing material in the coated abrasives range is cloth. Cloth backed products such as Emery Cloth Sheets are extremely strong, incredibly durable, and can be torn into strips for hand sanding the toughest metal applications.



SMOOTHER FINISH

A smooth, blemish free surface is essential to achieve a 'glass like' finish. Flexovit PRO products are manufactured using silicon carbide abrasive combined with a very unique stearate or 'liquid soap' coating. This significantly improves performance and finish by reducing friction and giving a gliding sanding action which results in a very consistent scratch free surface.



PRECISION CUTTING

When cutting any material the quality of the cut is extremely important as rough edges appear messy, unfinished and suggest poor quality. With Flexovit PRO Precision Cutting Diamond Blades there is significantly less chance of any chipping, burrs, or burn and the increased accuracy and thinner blades means they are much easier to use. Also less heat and dust is generated as a lower proportion of the wheel is in direct contact with the workpiece – resulting in a much cleaner, more precise cut.

Packaging Communication

Each pack has one 'lead illustration' showing power tool type or a hand use application. A second illustration shows which materials the product can be used on (for example wood or metal). This is then supported by secondary information such as technical data.



UNDERSTANDING THE FLEXOVIT PRODUCT RANGE (cont)

Differentiation Within The Ranges

Where greater differentiation is needed within a range colour coding and application illustrations are used.



Technical Information

The technical information box contains the following information where needed:

40	125 x 16 x 32mm
EXTRA COARSE SEHR GROB MUY GRUESO MOLTO GROSSA VELMI HRUBÝ TRES GROS ZEER GROF MUITO GROSSO	Max rpm 5438/35m/sec
1x	
FOR FÜR PARA PER VOOR POUR: BOSCH, MAKITA, METABO	

Grit
Size
Speed
Wet / Dry
Quantity
Machine type diagrams
Product diagram
Power tool brands

On the back of the packaging are two charts translated into 8 European languages showing PRO attributes and grit scales.

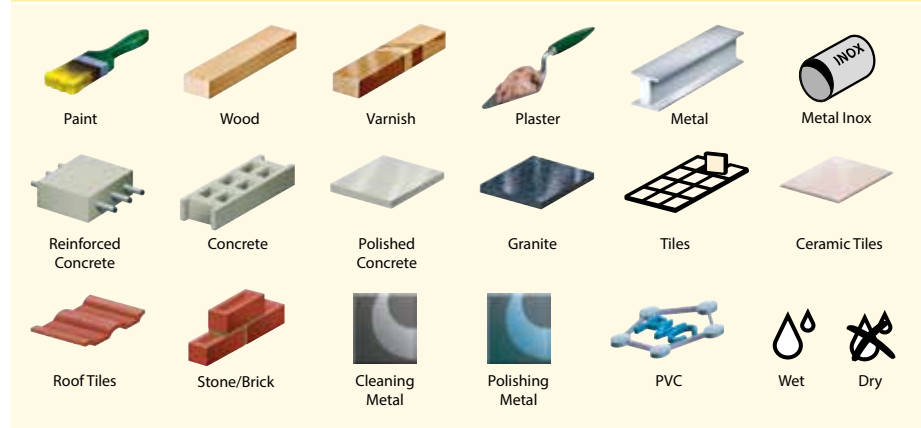
PRO	
	GB STRONGER D STÄRKER SP MÁS RESISTENTE IT PIÙ FORTE CZ SILNY FR GRANDE RESISTANCE NL STERKER P GRANDE RESISTENCIA
	GB FLEXIBLE D FLEXIBEL SP FLEXIBLE IT FLESSIBILE CZ FLEXIBILNÍ FR FLEXIBLE NL FLEXIBEL P FLEXÍVEL
	GB SMOOTHER FINISH D BESSERE OBERFLÄCHE SP ACABADO MÁS SUAVE IT ELEVATA FINITURA CZ HLADKÝ FINIŠ FR HAUTE FINITION NL FIJNE FINISH P EXCELENTE ACABAMENTO
	GB LONGER LIFE D LÄNGERE STANDZEIT SP VIDA MÁS LARGA IT LUNGA DURATA CZ DLOUHÁ ŽIVOTNOST FR DUREE DE VIE ELEVÉE NL LANGERE STANDTIJD P DURAÇÃO DE VIDA ELEVADA
	GB PRECISION CUTTING D PRÄZISIONSSCHLEIFEN SP CORTE DE PRECISIÓN IT TAGLIO PRECISO CZ PŘESNÉ ŘEZÁNÍ FR COUPE HAUTE PRECISION NL PRECISIE SLIJPEN P CORTE ALTA PRECISÃO

< 40	GB EXTRA COARSE D SEHR GROB SP MUY GRUESO IT MOLTO GROSSA CZ VELMI HRUBÝ FR TRES GROS NL ZEER GROF P MUITO GROSSO	Heavy Stripping Starker Kornausbruch Gran desbaste Decapaggio pesante Vysoký úber Enlèvement de matière élevé Hoge materiaal afname Grande desbaste
50-60	GB COARSE D GROB SP GRUESO IT GROSSA CZ HRUBÝ FR GROS NL GROF P GROSSO	Moderate Stripping Moderater Kornausbruch Desbaste Decapaggio moderato Střední úber Enlèvement de matière modéré Normale materiaal afname Desbaste média
80-100	GB MEDIUM D MITTEL SP MEDIANO IT MEDIA CZ STŘEDNÍ FR MOYEN NL MEDIUM P MÍDIO	Levelling and Smoothing Ebnen und Glätten Semi-desbaste Spianatura e lisciatura Zarovnávání a vyhlazování Surfaçage et polissage Egaliseren Rectificação e polimento
120-150	GB FINE D FEIN SP FINO IT FINE CZ JEMNÝ FR FIN NL FIJN P FINO	Finishing Finishen Acabado Finitura Finiš Finition Finishen Acabamento
180 >	GB EXTRA FINE D SEHR FEIN SP MUY FINO IT MOLTO FINE CZ VELMI JEMNÝ FR TRES FIN NL EXTRA FIJN P MUITO FINO	Fine Finishing Fein Finishen Acabado Fino Fine Finitura Hladký finiš Finition fine Fijne finish Acabamento fino

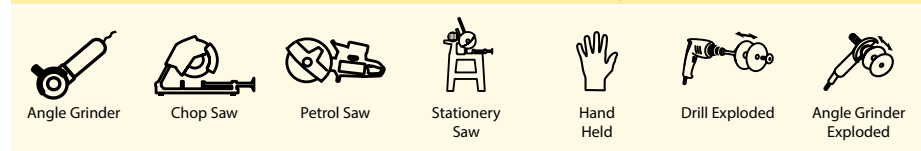
PICTOGRAMS

Below is an explanation of all the pictograms appearing within the Flexovit range.

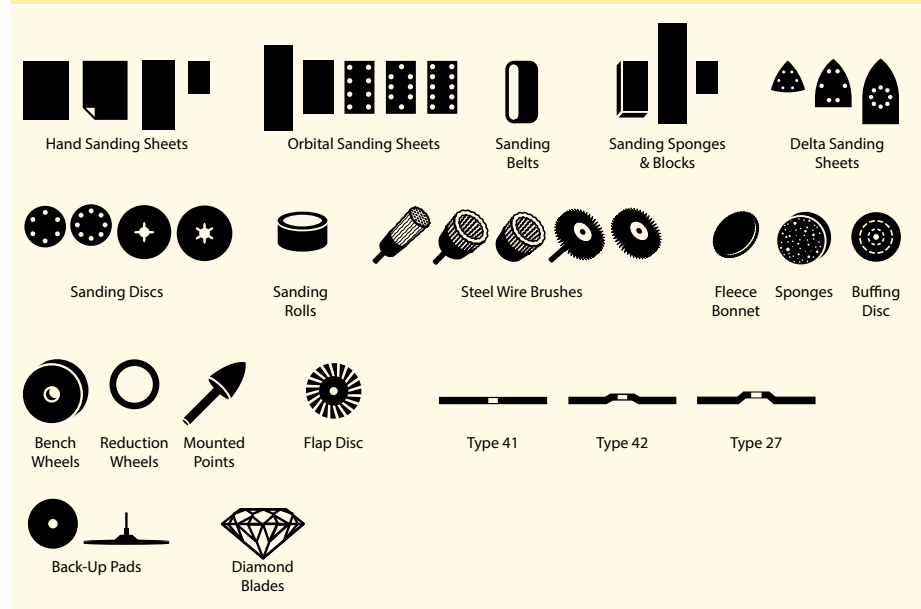
Substrate Illustrations showing what materials the product can be used with.



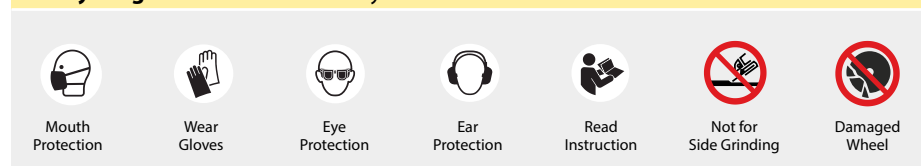
Machine Illustrations indicating the appropriate machine type.



Product Icons showing the shape and specification of each product.



Safety Diagrams these are industry standard.



MERCHANDISING OPTIONS

There are two types of packaging format within the range, each bringing unique benefit:



Retail Packaging (Prepack)

These contain smaller quantities and are designed for merchandising from hooks within a display unit.

The packaging quantities and packaging format are ideal for the DIY market.



Shelf-Ready Trade Packaging (Bulk)

This range contains higher pack quantities and is designed to target semi-professionals within DIY, Hardware, Builders Merchants, Painting and Decorating sectors and Industrial-retail.

These consist of shrink-wrapped products shipped and displayed within 'shelf-ready' merchandising boxes.

Point Of Purchase

Flexovit brings a new, innovative and dynamic Point Of Purchase merchandising programme which:

- creates impact and presence for the Flexovit brand
- demonstrates an integrated & complete product category
- creates an overall impression and through visual clues: informs, educates and 'tells a story'
- saves time – reduces time spent selecting the right product

Provides category impact, ease of shop, better informed decisions which result in higher basket values = **increased abrasive category profitability & revenue.**



Ask your Local Sales or Customer Service Representative about the Flexovit POP programme.



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CUTTING-OFF AND GRINDING WHEELS

- 18 Useful Information
- 20 Cutting-Off Wheels
- 24 Grinding Wheels



USEFUL INFORMATION

Flexovit offers an extensive range of professional high performance wheels suitable for cutting and grinding a wide variety of materials, including steel, stainless steel and stone – with a full range of sizes for angle grinders, petrol saws, chop saws and fixed machines up to and including 400mm diameter.

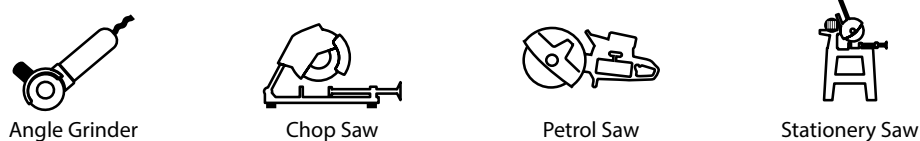
SELECTING THE RIGHT PRODUCT

Flexovit Cutting and Grinding Wheels come in a range of sizes from 100mm to 230mm for use on portable angle grinders, and 300mm to 400mm for use on petrol saws, chop saws and stationary machines. They are available in 3 different types, 27, 41, and 42. All Type 27 wheels should be used for grinding whilst all type 41 and 42 wheels should be used for cutting. The wheel type can be easily identified by the following pictograms which appear next to the tables in the catalogue as well as on the products themselves.



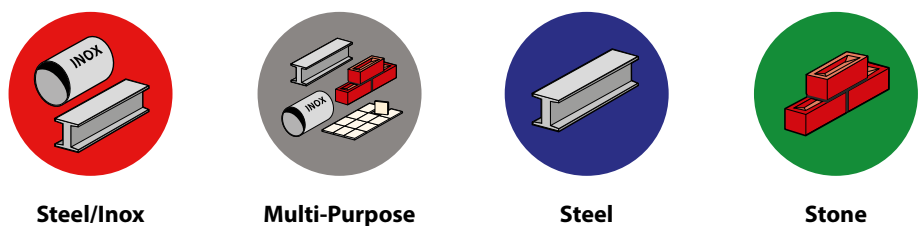
MACHINE GUIDE

Flexovit Cutting-Off and Grinding Wheels are designed for use on a wide variety of machines. The relevant machine types are easily identified by the following pictograms that are contained both in the catalogue tables and on the product itself.

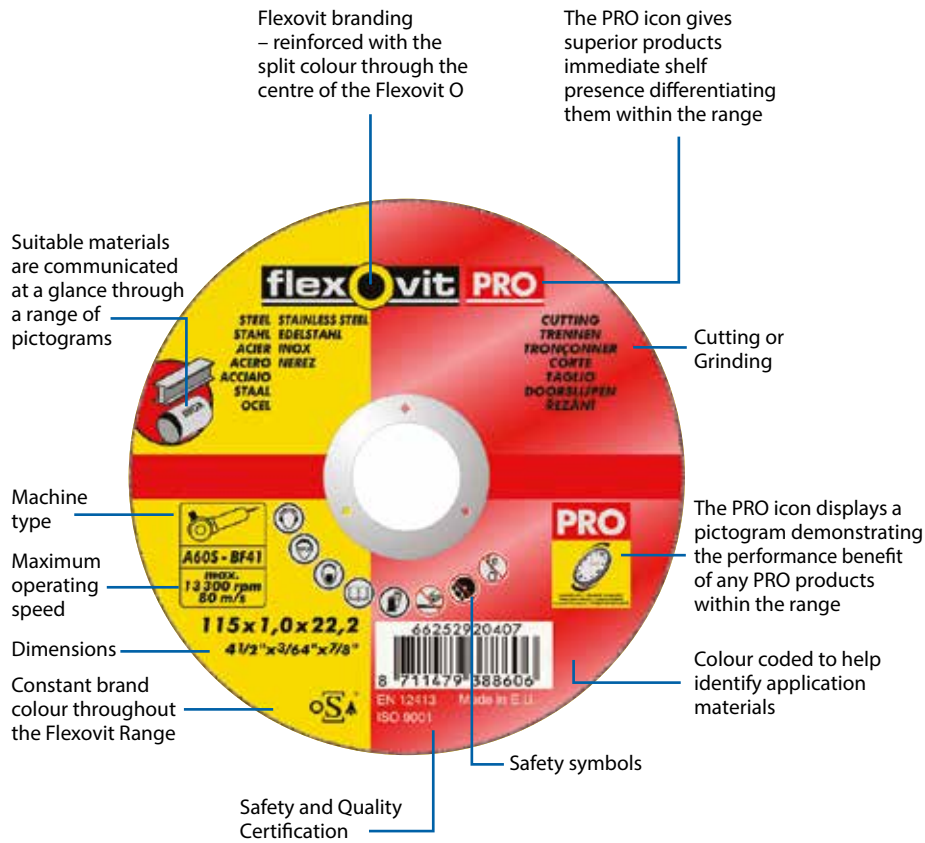


MATERIAL APPLICATION GUIDE

Flexovit cutting and grinding wheels can be used on a wide range of materials – each material is easily identified and differentiated by the colour of the wheel.



UNDERSTANDING THE PRODUCT



DIFFERENTIATION WITHIN THE RANGE

Where greater differentiation is needed within a range, this is done through colour coding and application instructions.





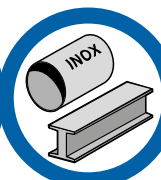
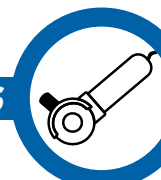
CUTTING-OFF WHEELS



TYPE 41

STEEL INOX CUTTING-OFF WHEELS

- Ultra long life
- Comfortable and easy to use
- Straight and fast cutting
- Thin accurate cutting
- Free from Iron, Sulphur, and Chlorine



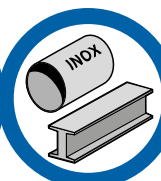
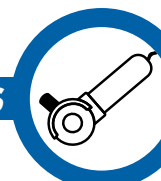
TYPE 41



Dimensions (mm) DxTxB	Specification	Quantity per Case	Article No.	Barcode	List Price Each (£)
115x1,0x22,23	A 60 S-BF41 Pro	25	66252920407	8711479388606	1.12
115x1,6x22,23	A 46 S-BF41 Pro	25	66252920408	8711479388620	1.25
125x1,0x22,23	A 60 S-BF41 Pro	25	66252920409	8711479388644	1.24
125x1,6x22,23	A 46 S-BF41 Pro	25	66252920410	8711479388668	1.41
180x1,6x22,23	A 46 S-BF41 Pro	25	66252920411	8711479388682	2.19
230x1,9x22,23	A 46 S-BF41 Pro	25	66252920412	8711479388705	3.14

STEEL INOX CUTTING-OFF WHEELS

- Thin accurate cutting
- Free from Iron, Sulphur, and Chlorine



TYPE 41

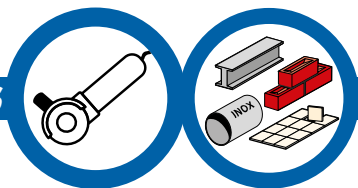


Dimensions (mm) DxTxB	Specification	Quantity per Case	Article No.	Barcode	List Price Each (£)
115x1,0x22,23	A 60 R-BF41	25	66252920421	8711479388897	1.17
115x1,6x22,23	A 46 R-BF41	25	66252920422	8711479388910	1.23
125x1,0x22,23	A 60 R-BF41	25	66252920423	8711479388934	1.23
125x1,6x22,23	A 46 R-BF41	25	66252920424	8711479388958	1.28
150x1,6x22,23	A 46 R-BF41	25	66252920425	8711479388972	1.50
180x1,6x22,23	A 46 R-BF41	25	66252920426	8711479388996	1.81
230x1,9x22,23	A 46 R-BF41	25	66252920427	8711479389016	2.48

Dimensions key: D = Diameter, T = Thickness, B = Bore

MULTI-PURPOSE CUTTING-OFF WHEELS

- Cuts all materials; Steel, PVC, Stone, INOX, and Tiles
- Comfortable and easy to use
- Cool precise cutting



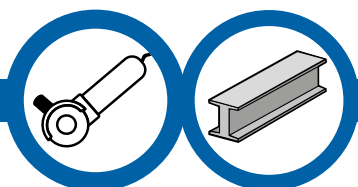
TYPE 41

Dimensions (mm) DxTxB	Specification	Quantity per Case	Article No.	Barcode	List Price Each (£)
115x1,0x22,23	C 46 R-BF41	25	66252926775	8711479427732	1.53
115x1,6x22,23	C 46 R-BF41	25	66252920428	8711479389030	1.50
125x1,0x22,23	C 46 R-BF41	25	66252926776	8711479427749	1.58
125x1,6x22,23	C 46 R-BF41	25	66252920429	8711479389054	1.54
230x1,9x22,23	C 46 R-BF41	25	66252926779	8711479427787	3.39



STEEL CUTTING-OFF WHEELS

- Comfortable and easy to use
- Straight clean cutting



TYPE 41

Dimensions (mm) DxTxB	Specification	Quantity per Case	Article No.	Barcode	List Price Each (£)
100x2,5x16,0	A 24 R-BF41	25	66252920432*	8711479389115	1.17
115x2,0x22,23	A 24 R-BF41	25	66252920430	8711479389078	1.08
115x3,2x22,23	A 24 R-BF41	25	66252920438	8711479389238	1.17
125x2,0x22,23	A 24 R-BF41	25	66252920431	8711479389092	1.17
125x3,2x22,23	A 24 R-BF41	25	66252920439	8711479389252	1.28
150x2,5x22,23	A 24 R-BF41	25	66252920435	8711479389177	1.63
180x3,2x22,23	A 24 R-BF41	25	66252920440	8711479389276	2.00
230x2,5x22,23	A 24 R-BF41	25	66252925643	8711479425035	2.58
230x3,2x22,23	A 24 R-BF41	25	66252920441	8711479389290	2.72

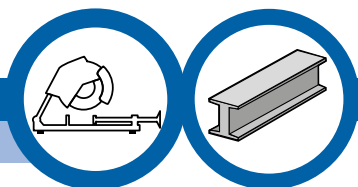
*MTO



STEEL CUTTING-OFF WHEELS

FOR 80 m/s CHOP SAWS

- Quick cool cutting
- Burn and burr free results



TYPE 41

Dimensions (mm) DxTxB	Specification	Quantity per Case	Article No.	Barcode	List Price Each (£)
300x2,8x25,4	A 24 R-BF41	10	66252920471	8711479389979	4.38
350x3,0x25,4	A 24 R-BF41	10	66252920472	8711479389993	5.63
400x3,0x25,4	A 24 R-BF41	10	66252920473*	8711479390012	7.42

*MTO



STEEL CUTTING-OFF WHEELS

FOR 80 m/s PETROL SAWS

- Quick cool cutting
- Burn and burr free results



TYPE 41

Dimensions (mm) DxTxB	Specification	Quantity per Case	Article No.	Barcode	List Price Each (£)
300x3,5x20,0	A 24 R-BF41	10	66252920467	8711479389894	5.05
300x3,5x22,23	A 24 R-BF41	10	66252920468	8711479389917	5.05

STEEL CUTTING-OFF WHEELS

FOR 100 m/s FIXED SAWS

- Quick cool cutting
- Burn and burr free results



TYPE 41

Dimensions (mm) DxTxB	Specification	Quantity per Case	Article No.	Barcode	List Price Each (£)
300x3,5x25,4	A 24 R-BF41	10	66252920474*	8711479390036	5.55
350x3,5x25,4	A 24 R-BF41	10	66252920475	8711479390050	7.00

* MTO

STONE CUTTING-OFF WHEELS

- Straight fast cutting
- Comfortable and easy to use
- No loading or glazing of the wheel



TYPE 41

Dimensions (mm) DxTxB	Specification	Quantity per Case	Article No.	Barcode	List Price Each (£)
100x2,5x16,0	C 24 R-BF41	25	66252920452*	8711479389566	1.17
115x2,5x22,23	C 24 R-BF41	25	66252920453	8711479389580	1.17
125x2,5x22,23	C 24 R-BF41	25	66252920454	8711479389603	1.28
150x2,5x22,23	C 24 R-BF41	25	66252920455	8711479389627	1.76
180x2,5x22,23	C 24 R-BF41	25	66252920456	8711479389641	POA
230x2,5x22,23	C 24 R-BF41	25	66252920457	8711479389665	2.83

* MTO

STONE CUTTING-OFF WHEELS

FOR 80 m/s PETROL SAWS

- Straight fast cutting
- Comfortable and easy to use
- No loading or glazing of the wheel



TYPE 41

Dimensions (mm) DxTxB	Specification	Quantity per Case	Article No.	Barcode	List Price Each (£)
300x3,5x20,0	C 24 R-BF41	10	66252920469	8711479389931	5.05
300x3,5x22,23	C 24 R-BF41	10	66252920470*	8711479389955	POA

* MTO

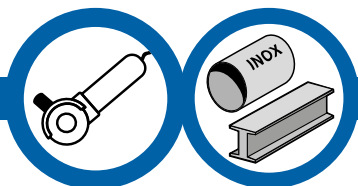


TYPE 42



STEEL INOX CUTTING-OFF WHEELS

- Ultra long life
- Comfortable and easy to use
- Fast cutting
- Free from Iron, Sulphur, and Chlorine



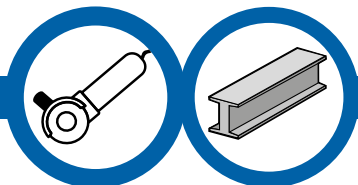
TYPE 42

Dimensions (mm) DxTxB	Specification	Quantity per Case	Article No.	Barcode	List Price Each (£)
100x3,2x16,0	A 24 S-BF42 Pro	25	66252924041	8711479417832	1.28
115x3,2x22,23	A 24 S-BF42 Pro	25	66252920413	8711479388729	1.20
125x3,2x22,23	A 24 S-BF42 Pro	25	66252920414	8711479388743	1.28
180x3,2x22,23	A 24 S-BF42 Pro	25	66252920415	8711479388767	2.13
230x3,2x22,23	A 24 S-BF42 Pro	25	66252920416	8711479388781	2.83



STEEL CUTTING-OFF WHEELS

- Comfortable and easy to use
- Straight clean cutting



TYPE 42

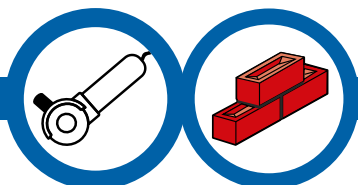
Dimensions (mm) DxTxB	Specification	Quantity per Case	Article No.	Barcode	List Price Each (£)
115x2,5x22,23	A 24 R-BF42	25	66252920433	8711479389139	1.13
115x3,2x22,23	A 24 R-BF42	25	66252920442	8711479389313	1.17
125x2,5x22,23	A 24 R-BF42	25	66252920434	8711479389153	1.23
125x3,2x22,23	A 24 R-BF42	25	66252920443	8711479389337	1.28
180x2,5x22,23	A 24 R-BF42	25	66252920436	8711479389191	1.91
180x3,2x22,23	A 24 R-BF42	25	66252920444*	8711479389351	2.10
230x2,5x22,23	A 24 R-BF42	25	66252920437	8711479389214	3.02
230x3,2x22,23	A 24 R-BF42	25	66252920445	8711479389375	2.67

* MTO



STONE CUTTING-OFF WHEELS

- Straight fast cutting
- Comfortable and easy to use
- No loading or glazing of the wheel



TYPE 42

Dimensions (mm) DxTxB	Specification	Quantity per Case	Article No.	Barcode	List Price Each (£)
115x3,2x22,23	C 24 R-BF42	25	66252920458	8711479389689	1.28
125x3,2x22,23	C 24 R-BF42	25	66252920459	8711479389702	1.44
180x3,2x22,23	C 24 R-BF42	25	66252920460	8711479389726	2.32
230x3,2x22,23	C 24 R-BF42	25	66252920461	8711479389740	3.07





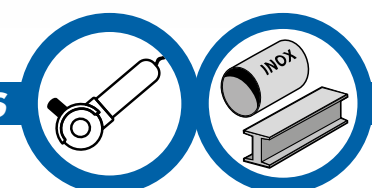
GRINDING WHEELS



TYPE 27

STEEL INOX GRINDING WHEELS

- Ultra long life
- Fast stock removal
- Comfortable and easy to use
- Free from Iron, Sulphur, and Chlorine



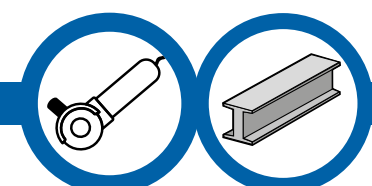
TYPE 27



Dimensions (mm) DxTxB	Specification	Quantity per Case	Article No.	Barcode	List Price Each (£)
100x6,5x16,0	A 24 S-BF27 PRO	10	66252924042	8711479417849	1.95
115x6,5x22,23	A 24 S-BF27 PRO	10	66252920417	8711479388804	1.97
125x6,5x22,23	A 24 S-BF27 PRO	10	66252920418	8711479388828	2.16
180x6,5x22,23	A 24 S-BF27 PRO	10	66252920419	8711479388842	3.57
230x6,5x22,23	A 24 S-BF27 PRO	10	66252920420	8711479388866	4.88

STEEL GRINDING WHEELS

- Efficient
- Fast stock removal
- Comfortable and easy to use



TYPE 27

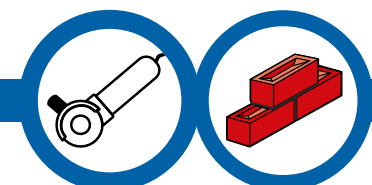


Dimensions (mm) DxTxB	Specification	Quantity per Case	Article No.	Barcode	List Price Each (£)
100x6,5x16,0	A 24 R-BF27	10	66252920446*	8711479389399	1.85
115x6,5x22,23	A 24 R-BF27	10	66252920447	8711479389412	1.95
125x6,5x22,23	A 24 R-BF27	10	66252920448	8711479389436	2.15
150x6,5x22,23	A 24 R-BF27	10	66252920449	8711479389450	2.78
180x6,5x22,23	A 24 R-BF27	10	66252920450	8711479389474	3.61
230x6,5x22,23	A 24 R-BF27	10	66252920451	8711479389542	5.09

* MTO

STONE GRINDING WHEELS

- Fast stock removal
- Comfortable and easy to use
- No loading or glazing of the wheel



TYPE 27



Dimensions (mm) DxTxB	Specification	Quantity per Case	Article No.	Barcode	List Price Each (£)
100x6,5x16,0	C 24 R-BF27	10	66252920462*	8711479389764	2.04
115x6,5x22,23	C 24 R-BF27	10	66252920463	8711479389788	2.22
125x6,5x22,23	C 24 R-BF27	10	66252920464	8711479389801	2.48
180x6,5x22,23	C 24 R-BF27	10	66252920465*	8711479389825	4.06
230x6,5x22,23	C 24 R-BF27	10	66252920466	8711479389849	5.91

* MTO

Dimensions key: D = Diameter, T = Thickness, B = Bore



BONDED ABRASIVES

- 26 Useful Information
- 28 Sharpening Stones
- 29 Mounted Points
- 30 Vitrified Bench Wheels



USEFUL INFORMATION

Flexovit offers a unique range of professional bonded abrasives that meet the requirements of any merchandising environment. The range includes vitrified grinding wheels, sharpening stones and mounted points which are all suitable for general maintenance applications.

SELECTING THE RIGHT PRODUCT

Vitrified Bench Grinding Wheels

Increasingly today's tools are made from hard, tough and difficult to grind steel. Flexovit Vitrified bench grinding wheels are manufactured from Aluminium Oxide, which is ideal for grinding all types of steel and tool sharpening. The wheels range in dimension and are available in 2 grits; 36 grit for stock removal and 60 grit for sharpening.

Sharpening Stones

Each Flexovit sharpening stone is specifically designed for different blade sharpening applications encountered in the home, garden, or workshop. All sharpening stones are manufactured from aluminium oxide. This type of abrasive is effective at grinding all types of steel and it is especially suited to sharpening as it requires minimal grinding pressure.

The Flexovit knife sharpener is a unique product to Saint-Gobain Abrasives and is the ideal accessory for any kitchen. It is extremely effective and can increase the performance of all kitchen knives. It is also easy to use and compact for convenient storage in any kitchen drawer.

Mounted Points

Flexovit mounted points are made from pink aluminium oxide and are ideal for cleaning tasks on metal, stone, ceramic and plastic. They can also be used for deburring curved workpieces and internal grinding. All mounted points feature 6mm spindles which can be used in most electric drills.

A12



W204

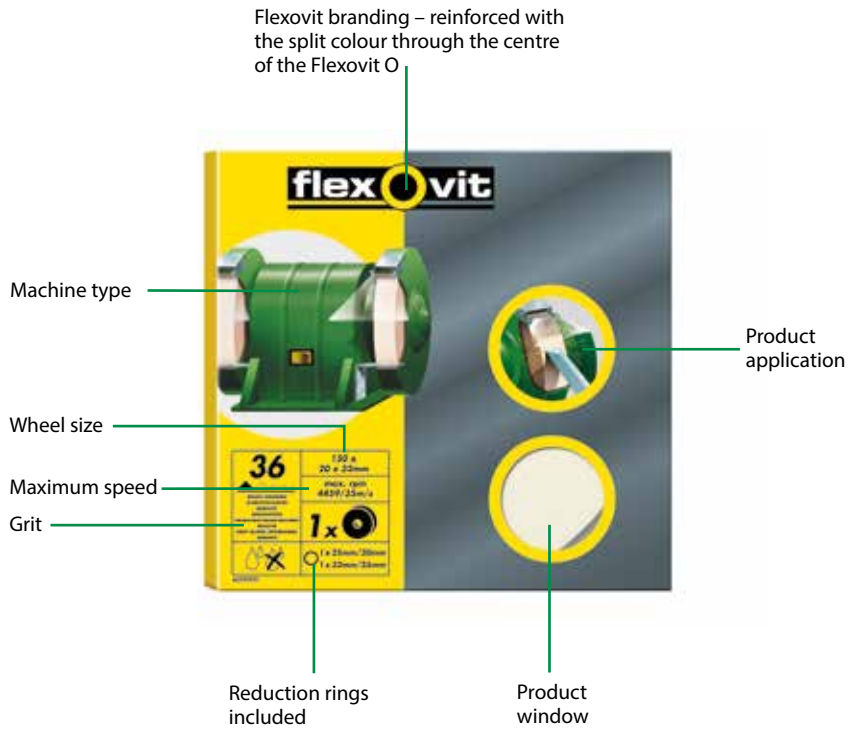


A25



Flexovit vitrified bench wheels, sharpening stones and mounted points are manufactured from pink and white aluminium oxide which are friable free cutting abrasives that require minimal grinding pressure. They are ideal for grinding high alloyed types of steel as they are more brittle than other types of aluminium oxide. They also provide significant advantages when grinding harder materials.

UNDERSTANDING THE PRODUCT





SHARPENING STONES



SHARPENING STONE

FOR SHARPENING GARDEN TOOLS

- Aluminium Oxide abrasive for long lasting sharp edges on garden tools
- Ideal for sharpening garden tools and blades

Dimensions (mm) HxWxT	Grade	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price Each (£)
100x19x6	Fine	1	10	66243441050*	3157625562196	3.41

* MTO

SHARPENING STONE

FOR SHARPENING KITCHEN AND GENERAL TOOLS

- Aluminium Oxide abrasive for long lasting sharp edges on kitchen and general tools
- Ideal for sharpening kitchen knives, scissors and other blades

Dimensions (mm) HxWxT	Grade	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price Each (£)
125x50x19	Coarse / Fine	1	10	66243439333	3157625561915	10.67

Dimensions key: H = Height, W = Width, T = Thickness



SHARPENING STONE

FOR SHARPENING HEAVY DUTY GARDEN TOOLS

- Aluminium Oxide abrasive for long lasting sharp edges on heavy duty garden tools
- Ideal for sharpening scythes, sickles and garden shears

Dimensions (mm) HxWxT	Grade	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price Each (£)
240x35x13	Fine	1	10	66243440255	3157625561922	8.72



KNIFE SHARPENER

KNIFE SHARPENING

- Aluminium Oxide abrasive for long lasting sharp edges on kitchen knives
- Ideal for sharpening kitchen knives

Quantity per Pack	Packs per Case	Article No.	Barcode	List Price Each (£)
1	12	66243444047	3157625566668	7.12



MOUNTED POINTS

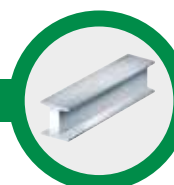


MOUNTED POINTS

- Aluminium Oxide abrasive
- 6mm spindle
- Ideal for precision grinding of steels and alloy steels



Dimensions (mm)	Grade	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price Each (£)
6mm spindle	Fine	3	5	66243439327	3157625561793	POA



A12

W204

A25



BONDED ABRASIVES – SHARPENING STONES / MOUNTED POINTS

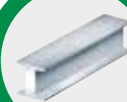


VITRIFIED BENCH WHEELS



VITRIFIED BENCH WHEELS

- Aluminium Oxide abrasive
- Suitable for grinding all types of steel
- For use on bench or pedestal grinders
- Reduction rings are included to adapt products to different sized spindles (25mm/20mm, 32mm/25mm)



Dimensions (mm) DxTxB	Grit	Application	Max rpm / m/s	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price Each (£)
125x16x32	60	Precision Grinding	5438 rpm or 35 m/s	1	1	66243439313*	3157625560598	23.08
125x16x32	36	Rough Grinding	5438 rpm or 35 m/s	1	1	66243439310*	3157625561823	23.08
150x20x32	60	Precision Grinding	4459 rpm or 35 m/s	1	1	66243439317	3157625561762	28.37
150x20x32	36	Rough Grinding	4459 rpm or 35 m/s	1	1	66243439315*	3157625561755	28.37
200x25x32	60	Precision Grinding	3344 rpm or 35 m/s	1	1	66243439320	3157625561786	50.56
200x25x32	36	Rough Grinding	3344 rpm or 35 m/s	1	1	66243439319*	3157625561779	50.56

Dimensions key: D = Diameter, T = Thickness, B = Bore

* MTO



COATED ABRASIVES

- 32 Useful Information
- 34 Hand Sanding Sheets
- 39 Sanding Rolls – 5M
- 41 Orbital Sheets
- 44 Sanding Discs
- 48 Multi Sanding Sheets
- 50 Sanding Belts
- 53 Sanding Block Kits and Sponges



USEFUL INFORMATION

The extensive range of Flexovit's coated product line has been developed to provide highly effective sanding solutions for all requirements encountered in a merchandising environment.

This good quality product line is supported by a selection of PRO products that give advanced performance, often required by more demanding applications.

UNDERSTANDING THE PRODUCT



DIFFERENTIATION WITHIN THE RANGE

Where greater differentiation is needed within a range, such as Hand Sanding Sheets, this is done through colour coding and application instructions.



SELECTING THE RIGHT PRODUCT

Colour coding and specific application illustrations are used to differentiate between product types and to make product selection easier.



Glasspaper

Economy hand sanding sheets are ideal for general purpose applications.



General Purpose Aluminium Oxide Paper

This tough and sharp aluminium oxide with an open coat structure is ideal for general purpose sanding and stock removal.



High Performance Aluminium Oxide Paper

The tough and sharp aluminium oxide combined with a heavy paper backing makes this product extremely durable, long lasting, and ideal for either hand sanding or power tool use.



Waterproof Paper

A sharp silicon carbide with a closed coat structure makes this paper ideal for finishing. Waterproof Paper is specially treated making it ideal for use with water. The paper lasts longer and gives a smoother finish when used wet as the water cleans, lubricates and helps prevent clogging.



Finishing Paper

A silicon carbide abrasive featuring a unique and innovative stearate coating. This significantly improves performance and finish by reducing friction and clogging giving a gliding sanding action which results in a very consistent scratch free surface.



Emery Cloth Sheets

A high performance emery abrasive cloth for fast and aggressive removal of paint, rust and rough surfaces. The fast cutting emery is backed with a heavy twill cloth, which allows the sheet to be torn into strips, giving superb flexibility for working on contoured or flat surfaces.



Aluminium Oxide Fibre Discs

A tough and sharp aluminium oxide combined with a dense semi-rigid backing gives this product extremely long life. It is ideal for working on metal using an angle grinder.



Aluminium Oxide Cloth

A tough and sharp aluminium oxide combined with a cloth backing giving maximum strength and flexibility, making it ideal for aggressive sanding with belt sanders.



Sanding Sponges

Designed for sanding contoured, flat and hard to reach areas, the double-sided dual grit abrasive sponges feature hard wearing aluminium oxide which makes them very durable and long lasting. The sponges are washable, therefore reusable – simply rinse in water to remove 'clogging'. Available in 3 types; standard, large, and double angled.



Sanding Block Kits

Sanding block kits contain an assortment of aluminium oxide sheets and a sanding block. The blocks are very comfortable to use and those featuring a hook and loop backing system allow for quick and easy sheet changing.

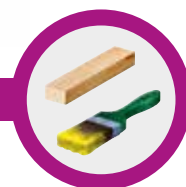


HAND SANDING SHEETS



GLASS PAPER SHEETS

- Economy paper sheets
- Suitable for hand use



PREPACK

Dimensions (mm) WxL	Grade	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
230x280	Fine	4	50	63642526249	3157625529861	1.48
230x280	Medium	4	50	63642526259	3157625529892	1.48
230x280	Coarse	4	50	63642526292	3157625529908	1.48
230x280	Assorted 1xcoarse 2xmedium 1xfine	4	50	63642526485	3157625530843	1.48



TRADE PACK

Dimensions (mm) WxL	Grade	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
230x280	Fine	15	15	63642526530	3157625537781	3.54
230x280	Medium	15	15	63642526538	3157625537798	3.54
230x280	Coarse	15	15	63642526541	3157625537804	3.54
230x280	Assorted 5xcoarse 10xmedium 10xfine	25	10	63642526563	3157625537811	6.69



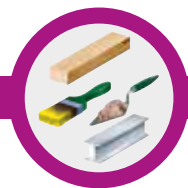
SEMI BULK

Dimensions (mm) WxL	Grade	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
230x280	0	25	5	63642558231	5010352582319	2.93
230x280	0	25	5	63642558232	5010352582326	3.17
230x280	1	25	5	63642558233	5010352582333	3.44
230x280	1.5	25	5	63642558234	5010352582340	3.75
230x280	F2	25	5	63642558235	5010352582357	4.09
230x280	M2	25	5	63642558236	5010352582364	4.43
230x280	S2	25	5	63642558237	5010352582371	4.78
230x280	2.5	25	5	63642558238	5010352582388	5.16

Dimensions key: W = Width, L = Length

GENERAL PURPOSE SHEETS

- General Purpose Aluminium Oxide for use on a variety of surfaces
- Suitable for hand or power tool use



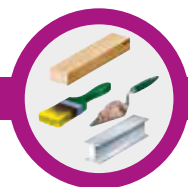
PREPACK

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
230x280	Fine	120	3	25	63642526254	3157625529885	2.07
230x280	Medium	80	3	25	63642526251	3157625529878	2.07
230x280	Coarse	50	3	25	63642526238	3157625529854	2.07



HIGH PERFORMANCE SHEETS

- Tough & durable heavy paper backing for longer product life
- High performance Aluminium Oxide for use on a variety of surfaces
- Suitable for hand or power tool use



PREPACK

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
230x280	Fine	120	3	10	63642526313	3157625530058	2.33
230x280	Medium	80	3	10	63642526312	3157625530041	2.33
230x280	Coarse	50	3	10	63642526311	3157625530034	2.33

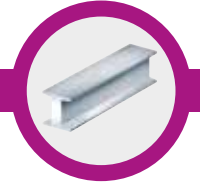
TRADE PACK

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
230x280	Assorted	5x50 10x80 10x120	25	10	63642526594	3157625538009	7.37





EMERY CLOTH SHEETS



- Incredibly strong cloth backing for increased product strength and durability
- For removing rust, paint, and scale from metal surfaces
- Fine grits also ideal for preparing and polishing metal
- Product can be torn into strips for detailed work
- Suitable for hand or power tool use



PREPACK

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
230x280	Fine		3	15	63642526306	3157625530003	2.61
230x280	Medium		3	15	63642526304	3157625529991	2.61
230x280	Coarse		3	15	63642526308	3157625530027	2.61
230x280	Assorted	1xcoarse 1xmedium 1xfine	3	15	63642526493	3157625530881	2.61



SEMI BULK

Dimensions (mm) WxL	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
230x280	150	25	5	63642558253	5010352582531	21.77
230x280	120	25	5	63642558252	5010352582524	21.77
230x280	100	25	5	63642558251	5010352582517	21.77
230x280	80	25	5	63642558250	5010352582500	21.77
230x280	60	25	5	63642558249	5010352582494	21.77
230x280	40	25	5	63642558248	5010352582487	21.77

WATERPROOF PAPER SHEETS

- Can be used wet or dry
- Highly flexible high quality silicon carbide abrasive
- Ideal for use with water or other lubricants



PREPACK

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
230x280	Fine	400	3	25	63642526303	3157625529984	1..61
230x280	Medium	240	3	25	63642526302	3157625529977	1.61
230x280	Coarse	180	3	25	63642526301	3157625529953	1.61
230x280	Assorted	1x180 1x240 1x400	3	25	63642526491	3157625530874	1.61



TRADE PACK

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
230x280	Assorted	5x180 10x240 10x400	25	10	63642526581	3157625537927	13.41

SEMI BULK

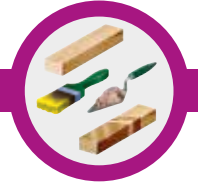
Dimensions (mm) WxL	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
230x280	1500	25	5	66254482065	3157629298527	13.05
230x280	1200	25	5	66254471694	3157629280195	13.41
230x280	1000	25	5	63642558246	5010352582463	13.41
230x280	800	25	5	63642558245	5010352582456	13.41
230x280	600	25	5	63642558244	5010352582449	13.41
230x280	400	25	5	63642558243	5010352582432	13.41
230x280	320	25	5	63642558242	5010352582425	13.41
230x280	240	25	5	63642558241	5010352582418	13.41
230x280	180	25	5	66254471693	3157629280188	13.41
230x280	150	25	5	63642558240	5010352582401	13.41
230x280	80	25	5	66254471692	3157629280171	13.41





FINISHING PAPER SHEETS

- Ideal for fine finishing and between coats sanding
- High quality extremely sharp silicon carbide abrasive
- Stearate coating reduces clogging
- Ideal to achieve a very smooth surface



PREPACK

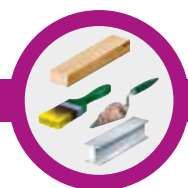
Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
230x280	Fine	240	3	25	63642526300	3157625529946	2.23
230x280	Medium	180	3	25	63642526299	3157625529939	2.23
230x280	Coarse	120	3	25	63642526294	3157625529915	2.23
230x280	Extra Coarse	80	3	25	63642526296	3157625529922	2.23
230x280	Assorted	1x120 1x180 1x240	3	25	63642526488	3157625530867	2.23

SANDING ROLLS



GENERAL PURPOSE ROLLS

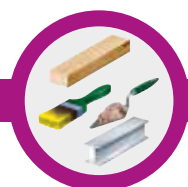
- General Purpose Aluminium Oxide for use on a variety of surfaces
- Suitable for hand or power tool use



Dimensions (mm x m) WxL	Grade	Grit	Quantity per Case	Article No.	Barcode	List Price Each (£)
115x5	Fine	180	6	63642526413	3157625530522	5.37
115x5	Medium	120	6	63642526412	3157625530515	5.67
115x5	Coarse	80	6	63642526411	3157625530508	6.01
115x5	Extra Coarse	50	6	63642526410	3157625530492	6.36

TRADE PERFORMANCE ROLLS

- Trade quality aluminium oxide for use on a variety of surfaces
- Durable paper backing for hand or power tool use



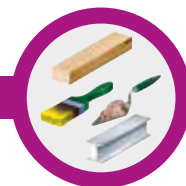
Dimensions (mm x m) WxL	Grade	Grit	Quantity per Case	Article No.	Barcode	List Price Each (£)
115x5	Fine	120	10	66261104026	3157629645642	POA
115x5	Medium	80	10	66261104022	3157629645635	POA
115x5	Coarse	60	10	66261104056	3157629645710	POA
115x5	Extra Coarse	40	10	66261104021	3157629645628	POA
Dimensions (mm x m) WxL	Grade	Grit	Quantity per Case	Article No.	Barcode	List Price Each (£)
115x10	Fine	120	10	66261104030	3157629645680	POA
115x10	Medium	80	10	66261104029	3157629645673	POA
115x10	Coarse	60	10	66261104028	3157629645666	POA
115x10	Extra Coarse	40	10	66261104027	3157629645659	POA
Dimensions (mm x m) WxL	Grade	Grit	Quantity per Case	Article No.	Barcode	List Price Each (£)
115x50	Fine	120	1	66261104020	3157629645611	POA
115x50	Medium	80	1	66261104019	3157629645604	POA
115x50	Coarse	60	1	66261104018	3157629645598	POA
115x50	Extra Coarse	40	1	66261104017	3157629645581	POA

COATED ABRASIVES – HAND SANDING SHEETS / SANDING ROLLS



HIGH PERFORMANCE ROLLS

- Tough & durable heavy paper backing for longer product life
- High performance Aluminium Oxide for use on a variety of surfaces
- Suitable for hand or power tool use

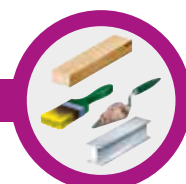


Dimensions (mm x m) WxL	Grade	Grit	Quantity per Case	Article No.	Barcode	List Price Each (£)
115x5	Fine	120	6	63642526430	3157625530614	5.19
115x5	Medium	80	6	63642526429	3157625530607	5.51
115x5	Coarse	60	6	63642526423	3157625530591	5.84
115x5	Extra Coarse	40	6	63642526421	3157625530584	6.21
Dimensions (mm x m) WxL	Grade	Grit	Quantity per Case	Article No.	Barcode	List Price Each (£)
115x10	Fine	120	10	66623313232	3157629381496	9.33
115x10	Medium	80	10	66623313229	3157629381489	9.92
115x10	Coarse	60	10	66623313228	3157629381472	10.52
115x10	Extra Coarse	40	10	66623313226	3157629381465	11.17
Dimensions (mm x m) WxL	Grade	Grit	Quantity per Case	Article No.	Barcode	List Price Each (£)
115x50	Fine	120	1	66254494136	8711479565359	26.11
115x50	Medium	80	1	66254494135	8711479565342	26.83
115x50	Coarse	60	1	66254494133	8711479565335	28.63
115x50	Extra Coarse	40	1	66254494287	8711479565434	29.35



FINISHING PAPER ROLLS

- Ideal for fine finishing and between coats sanding
- High quality extremely sharp silicon carbide abrasive
- Stearate coating reduces clogging
- Ideal to achieve a very smooth surface



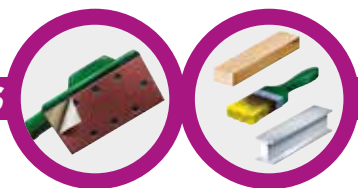
Dimensions (mm x m) WxL	Grade	Grit	Quantity per Case	Article No.	Barcode	List Price Each (£)
115x5	Fine	320	6	63642526420	3157625530577	8.71
115x5	Medium	240	6	63642526417	3157625530553	8.71
115x5	Coarse	180	6	63642526416	3157625530546	8.71
115x5	Extra Coarse	120	6	63642526415	3157625530539	8.71

ORBITAL SHEETS



QUICK RELEASE ORBITAL SHEETS

- High performance aluminium oxide for use on a variety of surfaces
- Hook and loop backing allows quick and easy orbital changing



PREPACK

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
93x185 	Fine	120	6	5	69957389801	8711479421327	2.83
	Medium	80	6	5	69957389800	8711479421303	2.83
	Coarse	50	6	5	69957389786	8711479421167	2.83

Machine Brand BLACK & DECKER, PEUGEOT

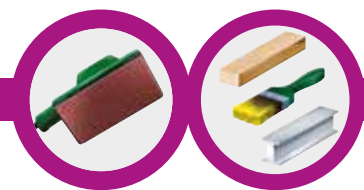
Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
93x185 	Fine	120	6	5	63642526345	3157625530218	2.83
	Medium	80	6	5	63642526344	3157625530201	2.83
	Coarse	50	6	5	63642526342	3157625530195	2.83

Machine Brand BLACK & DECKER, PEUGEOT

COATED ABRASIVES – SANDING ROLLS / ORBITAL SHEETS

ORBITAL SHEETS

- High performance Aluminium Oxide for use on a variety of surfaces
- Available in a variety of sizes and dust hole configurations to fit most brands of orbital sander



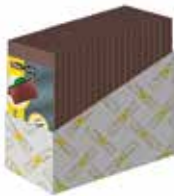
PREPACK

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
93x230	Fine	120	10	10	63642526321	3157625530089	2.32
	Medium	80	10	10	63642526320	3157625530072	2.32
	Coarse	50	10	10	63642526314	3157625530065	2.32
Machine Brand AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, CASALS, FESTO, HITACHI, MAKITA, METABO, PEUGEOT, RHINO, RYOBI, SKIL, STAYER							


Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
93x230	Fine	120	10	10	63642526336	3157625530157	2.59
	Medium	80	10	10	63642526335	3157625530133	2.59
	Coarse	50	10	10	63642526330	3157625530126	2.59
Machine Brand BLACK & DECKER, BOSCH, CASALS, FESTO, MAKITA, METABO, RYOBI, SKIL							

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
93x230	Fine	120	10	10	63642526341	3157625530188	2.59
	Medium	80	10	10	63642526340	3157625530171	2.59
	Coarse	50	10	10	63642526337	3157625530164	2.59
Machine Brand AEG/ATLAS COPCO, BLACK & DECKER, CASALS, PEUGEOT, RHINO, STAYER							


Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
115x280	Fine	120	10	10	63642526328	3157625530119	3.18
	Medium	80	10	10	63642526327	3157625530102	3.18
	Coarse	50	10	10	63642526326	3157625530096	3.18
Machine Brand AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, CASALS, FESTO, HITACHI, MAKITA, METABO, PEUGEOT, RHINO, RYOBI, SKIL, STAYER							




TRADE PACK

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
93x230 	Assorted	5x50 10x80 10x120	25	10	63642526604	3157625538054	5.75


Machine Brand AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, CASALS, FESTO, HITACHI, MAKITA, METABO, PEUGEOT, RHINO, RYOBI, SKIL, STAYER

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
93x230 	Assorted	5x50 10x80 10x120	25	10	63642526614	3157625538139	6.50

Machine Brand BLACK & DECKER, BOSCH, CASALS, FESTO, MAKITA, METABO, RYOBI, SKIL

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
115x280 	Assorted	5x50 10x80 10x120	25	10	63642526608	3157625538092	7.98

Machine Brand AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, CASALS, FESTO, HITACHI, MAKITA, METABO, PEUGEOT, RHINO, RYOBI, SKIL, STAYER

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
115x280 	Assorted	5x50 10x80 10x120	25	10	63642526639	3157625538221	9.00

Machine Brand BLACK & DECKER, BOSCH, CASALS, DEWALT, ELU, FELISATTI, FESTO, HITACHI, HOLZ HER, MAKITA, METABO, PEUGEOT, RYOBI

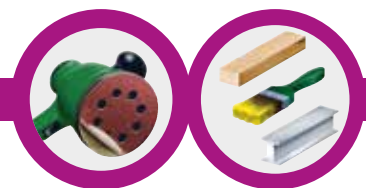


SANDING DISCS



ECCENTRIC DISCS

- High performance Aluminium Oxide for use on a variety of surfaces
- Tough and durable backing for longer product life
- Hook and loop backing allows quick and easy disc changing
- Available in 3 sizes to fit most brands of eccentric sander



PREPACK

Diameter (mm)	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
115 	Fine	120	6	10	63642526386	3157625530324	2.95
	Medium	80	6	10	63642526385	3157625530317	2.95
	Coarse	50	6	10	63642526384	3157625530294	2.95
	Assorted	2x50 2x80 2x120	6	10	63642526501	3157625530935	2.95

Machine Brand BOSCH, EINHELL, KRESS, PEUGEOT, RYOBI, SKIL

Diameter (mm)	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
125 	Fine	120	6	10	63642526392	3157625530355	3.56
	Medium	80	6	10	63642526390	3157625530348	3.56
	Coarse	50	6	10	63642526387	3157625530331	3.56
	Assorted	2x50 2x80 2x120	6	10	63642526502	3157625530942	3.56

Machine Brand AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, DEWALT, ELU, FEIN, FESTO, HITACHI, KRESS, MAKITA, METABO, RYOBI, SKIL





PREPACK

Diameter (mm)	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
150 	Fine	120	6	10	63642526397	3157625530386	3.80
	Medium	80	6	10	63642526396	3157625530379	3.80
	Coarse	50	6	10	63642526394	3157625530362	3.80
	Assorted	2x50 2x80 2x120	6	10	63642526503	3157625530959	3.80
Machine Brand BOSCH, DEWALT, ELU, FELISATTI, FLEX, HITACHI, IBREX PRO TOOL, KRESS, METABO, PEUGEOT, STAYER							



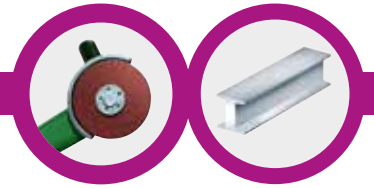
TRADE PACK

Diameter (mm)	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
125 	Fine	120	15	12	63642526709	3157625538399	7.91
	Medium	80	15	12	63642526708	3157625538382	7.91
	Coarse	50	15	12	63642526707	3157625538375	7.91
	Assorted	5x50 10x80 10x120	25	8	63642526710	3157625538405	13.16
Machine Brand AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, DEWALT, ELU, FEIN, FESTO, HITACHI, KRESS, MAKITA, METABO, RYOBI, SKIL							
Diameter (mm)	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
150 	Assorted	5x50 10x80 10x120	25	8	63642526714	3157625538443	14.09
	Machine Brand BOSCH, DEWALT, ELU, FELISATTI, FLEX, HITACHI, IBREX PRO TOOL, KRESS, METABO, PEUGEOT, STAYER						



FIBRE DISCS

- High performance Aluminium Oxide for use on a variety of surfaces
- Extremely tough and durable fibre backing for longer life
- For use with the appropriate back-up pad (sold separately)



PREPACK

Diameter (mm)	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
115 	Fine	80	3	5	63642527535	3157625554535	3.08
	Medium	50	3	5	63642527534	3157625554528	3.30
	Coarse	36	3	5	63642527531	3157625554498	3.56
Diameter (mm)	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
125 	Fine	80	3	5	63642527538	3157625554566	3.30
	Medium	50	3	5	63642527537	3157625554559	3.38
	Coarse	36	3	5	63642527536	3157625554542	3.86



TRADE PACK

Diameter (mm)	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
115 	Fine	80	10	10	63642527562	3157625554269	8.03
	Medium	50	10	10	63642527561	3157625554252	8.67
	Coarse	36	10	10	63642527550	3157625554245	9.53
Diameter (mm)	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
125 	Fine	80	10	10	63642527565	3157625554603	8.67
	Medium	50	10	10	63642527564	3157625554283	8.90
	Coarse	36	10	10	63642527563	3157625554276	10.53



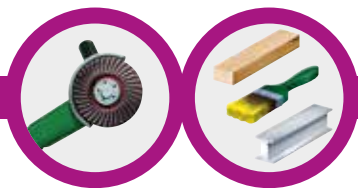
BACKING PADS FOR FIBRE AND SEMI FLEXIBLE DISCS

PREPACK

Dimensions (mm) Dx B	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
115x22	1	5	63642556835	3157625568365	10.44
125x22	1	5	63642556838	3157625568372	11.27

FLAP DISCS

- Ideal for sanding contoured metal surfaces
- Angled flaps mean more abrasive makes contact with the workpiece than with a conventional fibre disc, increasing productivity
- Ideal for blending welds, deburring and finishing castings

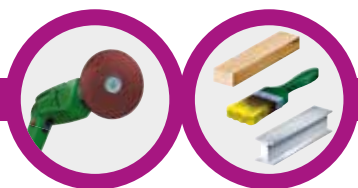


PREPACK


Diameter (mm)	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price Each (£)
115 	Medium	80	1	10	63642527526	3157625554467	3.75
	Coarse	40	1	10	63642527525	3157625554443	3.77
Diameter (mm)	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price Each (£)
125 	Medium	80	1	10	63642527530	3157625554481	4.69
	Coarse	40	1	10	63642527528	3157625554474	4.69

DRILL MOUNTABLE DISCS

- High performance Aluminium Oxide for use on a variety of surfaces
- Strong paper backing for maximum durability



PREPACK

Diameter (mm)	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
115 	Fine	120	10	10	63642526383	3157625530287	4.43
	Medium	80	10	10	63642526382	3157625530263	4.43
	Coarse	50	10	10	63642526377	3157625530256	4.43
	Assorted	3x50 3x80 4x120	10	10	63642526496	3157625530898	4.43

BACKING PAD FOR DRILL MOUNTABLE DISCS

PREPACK

Dimensions (mm) DxH	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
125x12x6 (spindle)	1	5	63642556833	3157625568358	5.39





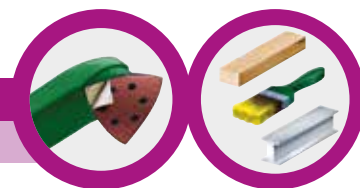
MULTI SANDING SHEETS



DELTA SANDING SHEETS

QUICK RELEASE

- High performance Aluminium Oxide for use on a variety of surfaces
- Hook and loop backing allows quick and easy sheet changing
- Fits most brands of delta sander




PREPACK

Dimensions (mm) W	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
94 	Fine	120	6	5	63642526401	3157625530416	1.79
	Medium	80	6	5	63642526400	3157625530409	1.79
	Coarse	50	6	5	63642526398	3157625530393	1.79
	Assorted	2x50 2x80 2x120	6	5	63642526505	3157625530966	1.79

Machine Brand BOSCH, MAKITA, METABO



TRADE PACK

Dimensions (mm) W	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
94 	Assorted	5x50 10x80 10x120	25	8	63642526721	3157625538498	3.51

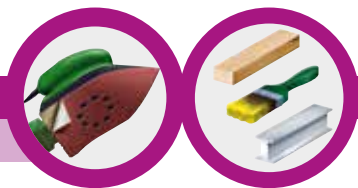
Machine Brand BOSCH, MAKITA, METABO

Dimensions key: W = Width, H = Height

DETAIL SANDING SHEETS

QUICK RELEASE


- High performance Aluminium Oxide for use on a variety of surfaces
- Hook and loop backing allows quick and easy sheet changing
- Available in 2 sizes that fit most brands of detail sander



PREPACK

Dimensions (mm) WxH	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
95x145 	Fine	120	6	5	63642526409	3157625530485	2.74
	Medium	80	6	5	63642526408	3157625530478	2.74
	Coarse	50	6	5	63642526407	3157625530461	2.74
	Assorted	2x50 2x80 2x120	6	5	63642526508	3157625530997	2.74

Machine Brand BLACK & DECKER

Dimensions (mm) WxH	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
102x152 	Fine	120	6	5	63642596419	3157625717701	2.81
	Medium	80	6	5	63642596418	3157625717695	2.81
	Coarse	50	6	5	63642596395	3157625717688	2.81

Machine Brand BOSCH, METABO

Dimensions (mm) WxH	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
105x175 	Fine	120	6	5	63642526405	3157625530454	2.89
	Medium	80	6	5	63642526404	3157625530447	2.89
	Coarse	50	6	5	63642526402	3157625530423	2.89
	Assorted	2x50 2x80 2x120	6	5	63642526506	3157625530973	2.89

Machine Brand BLACK & DECKER

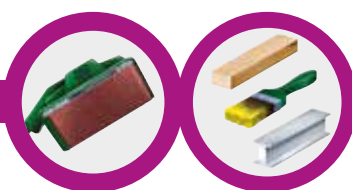


SANDING BELTS



CLOTH SANDING BELTS

- High performance Aluminium Oxide for use on a variety of surfaces
- Tough and durable cloth backing for increased durability and longer product life
- Available in multiple sizes to fit most brands of belt sander



PREPACK

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
75x457	Fine	120	2	5	63642526464	3157625530737	4.28
75x457	Medium	80	2	5	63642526463	3157625530713	4.28
75x457	Coarse	50	2	5	63642526461	3157625530706	4.28

Machine Brand BLACK & DECKER, MAKITA, METABO, PEUGEOT, SKIL, STAYER, WEN

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
75x533	Fine	120	2	5	63642526470	3157625530768	4.71
75x533	Medium	80	2	5	63642526469	3157625530751	4.71
75x533	Coarse	50	2	5	63642526466	3157625530744	4.71

Machine Brand AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, CASALS, DEWALT, FREUD, HITACHI, HOLZ HER, MAKITA, METABO, PEUGEOT, PORTER CABLE, RHINO, ROCKWELL, RYOBI, SKIL, STANLEY

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
100x560	Fine	120	2	5	63642526476	3157625530799	5.60
100x560	Medium	80	2	5	63642526474	3157625530782	5.60
100x560	Coarse	50	2	5	63642526471	3157625530775	5.60

Machine Brand AEG/ATLAS COPCO, BLACK & DECKER, DEWALT, ELU, FESTO, FESTOOL, HAFFNER, RYOBI, SKIL

Dimensions key: W = Width, L = Length



PREPACK

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
100x610	Fine	120	2	5	63642526479	3157625530829	5.60
100x610	Medium	80	2	5	63642526478	3157625530812	5.60
100x610	Coarse	50	2	5	63642526477	3157625530805	5.60
Machine Brand AEG/ATLAS COPCO, BOSCH, HITACHI, KANGO, KNOPP, LYON FLEX, MAKITA, METABO, PORTER CABLE, ROCKWELL, RYOBI, STANLEY, WOLF							



TRADE PACK

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
75x457	Assorted	2x50 2x80 2x120	6	7	63642526784	3157625538719	12.83
Machine Brand BLACK & DECKER, MAKITA, METABO, PEUGEOT, SKIL, STAYER, WEN							

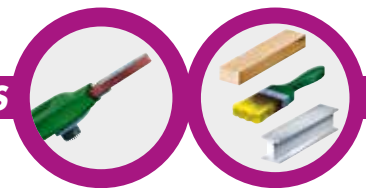
Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
75x533	Assorted	2x50 2x80 2x120	6	7	63642526790	3157625538764	14.16
Machine Brand AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, CASALS, DEWALT, FREUD, HITACHI, HOLZ HER, MAKITA, METABO, PEUGEOT, PORTER CABLE, RHINO, ROCKWELL, RYOBI, SKIL, STANLEY							

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
100x560	Assorted	2x50 2x80 2x120	6	7	63642526810	3157625538849	16.82
Machine Brand AEG/ATLAS COPCO, BLACK & DECKER, DEWALT, ELU, FESTO, FESTOOL, HAFFNER, RYOBI, SKIL							

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
100x610	Fine	120	4	7	63642526815	3157625538887	11.20
100x610	Medium	80	4	7	63642526813	3157625538863	11.20
100x610	Coarse	50	4	7	63642526812	3157625538856	11.20
100x610	Assorted	2x50 2x80 2x120	6	7	63642526816	3157625538894	16.82
Machine Brand AEG/ATLAS COPCO, BOSCH, HITACHI, KANGO, KNOPP, LYON FLEX, MAKITA, METABO, PORTER CABLE, ROCKWELL, RYOBI, STANLEY, WOLF							

CLOTH POWER FILE SANDING BELTS

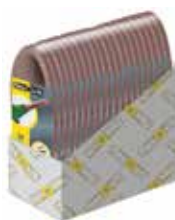
- High performance Aluminium Oxide for use on a variety of surfaces
- Tough and durable cloth backing for increased durability and longer product life
- Available in 2 sizes to fit both Bosch and Black and Decker sanders



PREPACK

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
13x454	Fine	120	4	10	63642526460	3157625530683	3.78
13x454	Medium	80	4	10	63642526439	3157625530676	3.78
13x454	Coarse	50	4	10	63642526438	3157625530669	3.78
13x454	Extra Coarse	36	4	10	63642526437	3157625530652	3.78

Machine Brand BLACK & DECKER



TRADE PACK

Dimensions (mm) WxL	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
13x454	Assorted	2x50 2x80 2x120	6	20	63642526733	3157625538573	5.63

Machine Brand BLACK & DECKER

SANDING BLOCK KITS & SPONGES



SANDING SPONGES – STANDARD

DUAL GRIT

- Ideal for sanding flat and contoured surfaces
- Two grits per sponge for maximum durability
- Can be washed and reused



PREPACK

Dimensions (mm) HxWxT	Grade	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
100x68,5x26	Fine/Medium	1	20	63642556852	3157625568419	2.13
100x68,5x26	Medium/Coarse	1	20	63642556853	3157625568426	2.13

SANDING SPONGES – LARGE

DUAL GRIT

- Ideal for sanding flat and contoured surfaces
- Two grits per sponge for maximum durability
- Can be washed and reused



PREPACK

Dimensions (mm) HxWxT	Grade	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
225x76x25	Fine/Medium	1	8	63642556850*	3157625568402	POA

* MTO

DOUBLE ANGLED SPONGES

DUAL GRIT

- Specially designed for sanding into angles, contours, and corners
- Two grits per sponge for maximum durability
- Can be washed and reused



PREPACK

Dimensions (mm) HxWxT	Grade	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
126x72x26	Fine/Medium	1	10	63642556855	3157625568433	2.84
126x72x26	Medium/Coarse	1	10	63642556856*	3157625568457	POA

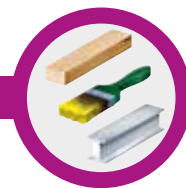
* MTO

COATED ABRASIVES – SANDING BELTS / SANDING BLOCK KITS & SPONGES



LIGHTWEIGHT SANDING BLOCK KIT

- General purpose aluminium oxide abrasive for maximum durability
- Lightweight block for sanding flat surfaces



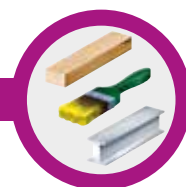
PREPACK

Dimensions (mm) WxH	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
70x230	Assorted	1x50 2x80 2x120	1 block + 5 sheets	5	63642556827	3157625568334	9.06



QUICK RELEASE SANDING BLOCK KITS

- Hook and loop backing allows quick and easy sheet changing
- Foam block for comfortable sanding
- General purpose aluminium oxide abrasive for maximum durability



PREPACK

Dimensions (mm) WxH	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
70x125	Assorted	1x50 1x80 1x120	1 block + 3 sheets	5	63642556830	3157625568341	7.92

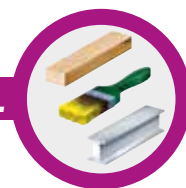
TRADE PACK

Dimensions (mm) WxH	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
70x125	Assorted	5x50 5x80 5x120	1 block + 15 sheets	10	63642557513	3157625569508	14.07



QUICK RELEASE SANDING BLOCK KIT REFILL

- Hook and loop backing allows quick and easy sheet changing
- General purpose aluminium oxide abrasive for maximum durability



PREPACK

Dimensions (mm) WxH	Grade	Grit	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
70x125	Fine	120	6	10	63642526349	3157625530249	1.74
70x125	Medium	80	6	10	63642526348	3157625530232	1.74
70x125	Coarse	50	6	10	63642526346	3157625530225	1.74



DIAMOND BLADES

- 56 Useful Information
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- 59 Concrete and Reinforced Concrete
- 60 Ceramic and Stone Tiles
- 61 Roof Tiles, Granite and Hard Materials

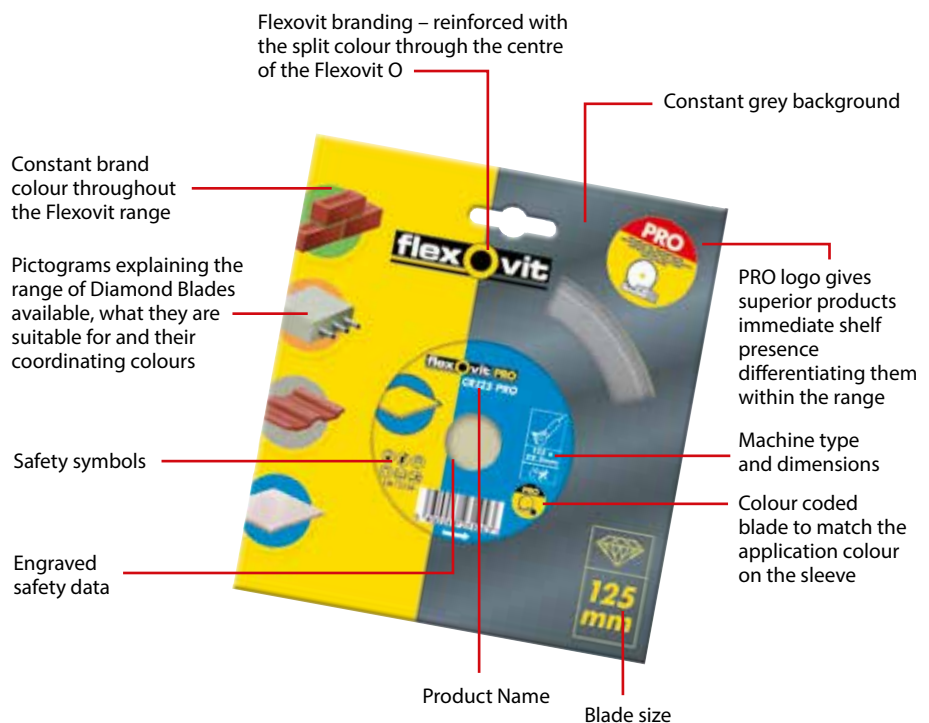


USEFUL INFORMATION

The use of Diamond Blades within the merchandising environment is rapidly growing as enthusiasts and professionals become increasingly more knowledgeable and experienced, demanding better finishes and faster results. With an in-depth knowledge of the construction and building industry Flexovit provides a range of Diamond Blades to meet any demand.

All Flexovit Diamond Blades conform to the highest European safety standard, EN13236, which ensures that all products are manufactured and tested to the highest quality. All Flexovit products are laser-marked in accordance with the requirements of EN13236.

UNDERSTANDING THE PRODUCT



DIFFERENTIATION WITHIN THE RANGE

Where greater differentiation is needed within a range, this is done through colour coding and application instructions.



Building Materials

Concrete & Reinforced Concrete

Ceramic & Stone Tiles

Roof Tiles, Granite & Hard Materials

SELECTING THE RIGHT PRODUCT

The Flexovit product line contains a wide range of diamond blades suitable for many different applications, in sizes ranging from 100mm to 230mm diameter, for use with portable angle grinders and small tile saws.

When choosing a diamond blade it is important to carefully consider the material to be cut as using the blade for its specific purpose prolongs the life and cutting speed.

Flexovit PRO diamond blades have premium attributes that give more advanced and professional performance levels. With Flexovit PRO Precision Cutting Diamond Blades there is significantly less chance of any chipping, burrs, or burn. The increased accuracy and thinner blades means they are much easier to use. Also less heat and dust is generated as a lower proportion of the wheel is in direct contact with the workpiece – resulting in a much cleaner, precise cut.

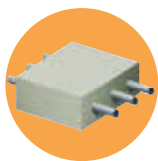
If the blade is used frequently then a Flexovit PRO with laser welded 10mm high segments should be used.

To aid product selection the application materials have been classified into four main areas, each with a unique colour coding.



Building Materials – General Purpose

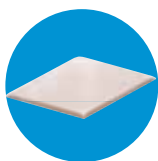
For use on most types of building materials, including building bricks, breeze blocks, paving slabs, concrete curb stones and clay roof tiles. The products have a segmented design where the diamond segments are sintered (baked) on to the steel core. Typically the blades have 7mm high segments and last more than 50 times longer than conventional cutting-off wheels. However, the Flexovit PRO (longer life) segmented diamond blade features 10mm high segments and lasts more than 40% longer than the standard blades.



Concrete and Reinforced Concrete

Concrete and reinforced concrete blades are manufactured by fusing the pre-sintered diamond segments to the metal centre of the blade using a laser. This gives increased strength compared to sintered blades and increases the strength of the bond between the diamond segments and the steel core. This makes the blades ideal for intensive use on hard compact materials that are difficult to cut, such as concrete, reinforced concrete, clay roof tiles, and hard building bricks.

Standard blades have 7mm high segments and last more than 75 times longer than cutting-off wheels. However, the PRO (longer life) segmented diamond blade featuring 10mm high segments generally last 40% longer than the standard blades.



Ceramic and Stone Tiles

These diamond blades have been specifically designed for cutting ceramic and stone tiles. When working with these materials the quality of cut is extremely important and a continuous rim diamond blade is most effective. The continuous rim is designed to achieve a smooth, fine edge.

For a very precise and accurate cut Flexovit PRO (precision) with its ultra thin 1,4mm thickness, should be used. It gives excellent quality, a very accurate cut and minimized chance of chipping the work piece. Continuous rim blades can be used wet or dry, but using wet is advised to achieve the ultimate cut.



Roof Tiles, Granite and Hard Materials

Hard materials, such as roof tiles, granite, and marble, are most effectively cut using a Continuous Rim Turbo diamond blade. Its turbo rim makes the product much smoother and easier to use than segmented blades. The standard rim height is 7mm, but the PRO (longer life) blade features 10mm high segments and lasts more than 40% longer than the standard blades.



BUILDING MATERIALS – GENERAL PURPOSE

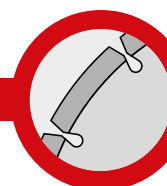


PRO



SEGMENTED SINTERED

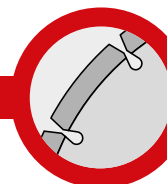
- 10mm high segments give longer cutting life
- For cutting general purpose building materials



Dimensions (mm) DxHxTxB	Product Name	Quantity per Pack	Article No.	Barcode	List Price Each (£)
115x10x2x22,23	SR 115 PRO	1	70184622072	5450248232100	36.15
125x10x2,1x22,23	SR 125 PRO	1	70184622073	5450248232117	39.35
230x10x2,5x22,23	SR 230 PRO	1	70184622074	5450248232124	59.03

SEGMENTED SINTERED

- Economy product
- For cutting general purpose building materials



Dimensions (mm) DxHxTxB	Product Name	Quantity per Pack	Article No.	Barcode	List Price Each (£)
115x7x2x22,23	SR 115	1	70184622068	5450248232063	14.75
125x7x2,1x22,23	SR 125	1	70184622069	5450248232070	16.23
180x7x2,4x22,23	SR 180	1	70184622070	5450248232087	22.89
230x7x2,5x22,23	SR 230	1	70184622071	5450248232094	34.69

Dimensions key: D = Diameter, H = Height, T = Thickness, B = Bore

CONCRETE & REINFORCED CONCRETE

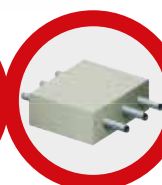
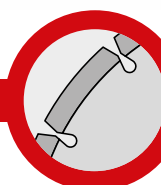


PRO



SEGMENTED LASER WELDED

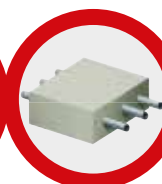
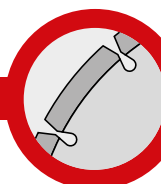
- 10mm high segments give longer cutting life
- Segments are laser welded for enhanced performance
- Enhanced specification for a smooth cut
- For cutting concrete, reinforced concrete and general purpose building materials



Dimensions (mm) DxHxTxB	Product Range	Quantity per Pack	Article No.	Barcode	List Price Each (£)
230x10x2,5x22,23	SR 230 LASER PRO	1	70184622065	5450248232032	111.48

SEGMENTED LASER WELDED

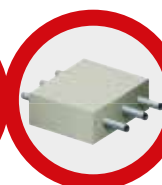
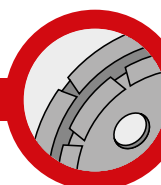
- For cutting concrete, reinforced concrete and general purpose building materials
- Segments are laser welded for enhanced performance



Dimensions (mm) DxHxTxB	Product Range	Quantity per Pack	Article No.	Barcode	List Price Each (£)
115x7x2,2x22,23	SR 115 LASER	1	70184622062	5450248232001	19.94
125x7x2,2x22,23	SR 125 LASER	1	70184622063	5450248232018	22.96
230x7x2,5x22,23	SR 230 LASER	1	70184622064	5450248232025	45.73

DOUBLE RIMMED CUP GRINDER

- Universal grinding cup designed for surface treatment
- For levelling concrete, reinforced concrete and general purpose building materials



Dimensions (mm) DxHxTxB	Product Range	Quantity per Pack	Article No.	Barcode	List Price Each (£)
100x5x8x22,23/16	MR 100	1	70184622076	5450248232131	81.98
125x5x8x22,23	MR 125	1	70184622077	5450248232148	98.36

DIAMOND BLADES – BUILDING MATERIALS / REINFORCED CONCRETE



CERAMIC & STONE TILES

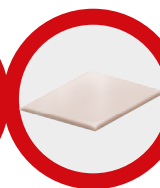


PRO



CORRUGATED RIM THIN CUT SINTERED

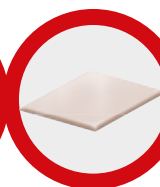
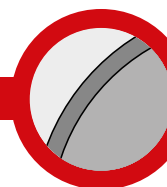
- Ultra thin blade gives an excellent quality, highly accurate cut (no chipping)
- Designed for cutting ceramic and stone tiles
- Jet rim for improved blade performance



Dimensions (mm) DxHxTxB	Product Name	Quantity per Pack	Article No.	Barcode	List Price Each (£)
115x7x1,4x22,23 - Ultra Thin 1,4mm	CR 115 PRO	1	70184622054	5450248231936	22.96
125x7x1,4x22,23 - Ultra Thin 1,4mm	CR 125 PRO	1	70184622055	5450248231943	26.22

CONTINUOUS RIM SINTERED

- Designed for cutting ceramic and stone tiles
- Continuous rim gives a good quality cut
- 180x25,4/22,23 can work on both bench tile saws and angle grinders



Dimensions (mm) DxHxTxB	Product Name	Quantity per Pack	Article No.	Barcode	List Price Each (£)
115x5x1,8x22,23	CR 115	1	70184622050	5450248231899	13.12
125x5x1,8x22,23	CR 125	1	70184622051	5450248231905	16.23
180x5x1,8x25,4/22,23	CR 180	1	70184622053	5450248231929	22.96
230x5x1,8x22,23	CR 230	1	70184622052	5450248231912	31.00

Dimensions key: D = Diameter, H = Height, T = Thickness, B = Bore

ROOF TILES, GRANITE & HARD MATERIALS

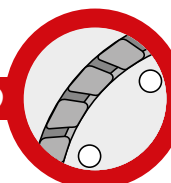


PRO



CONTINUOUS RIM TURBO SINTERED

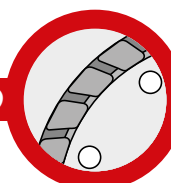
- Turbo rim for a smooth high quality cut
- For cutting hard materials
- Longer cutting life due to 10mm high segments



Dimensions (mm) DxHxTxB	Product Name	Quantity per Pack	Article No.	Barcode	List Price Each (£)
115x10x2,1x22,23	CR 115 TURBO PRO	1	70184622059	5450248231981	22.96
230x10x2,6x22,23	CR 230 TURBO PRO	1	70184622060	5450248231998	45.73

CONTINUOUS RIM TURBO SINTERED

- For cutting hard materials
- Turbo rim for a smooth high quality cut



Dimensions (mm) DxHxTxB	Product Name	Quantity per Pack	Article No.	Barcode	List Price Each (£)
115x7x2,1x22,23	CR 115 TURBO	1	70184622056	5450248231950	14.75
125x7x2,1x22,23	CR 125 TURBO	1	70184622057	5450248231967	16.23
230x7x2,6x22,23	CR 230 TURBO	1	70184622058	5450248231974	33.93

DIAMOND BLADES – CERAMIC & STONE TILES / ROOF TILES, GRANITE & HARD MATERIALS



NOTES

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ACCESSORIES

- 64 Useful Information
- 66 Steel Wire Wheels and Brushes
- 68 Buffing and Polishing Products
- 70 Backing Pads and Adaptor Shafts



USEFUL INFORMATION

In addition to the core abrasives range, Flexovit offers a number of accessories which compliment the range providing a complete abrasives solution.

Within accessories Flexovit provides polishing products, and steel wire brushes, as well as a range of back-up pads for use with coated abrasive discs.

STEEL WIRE BRUSHES

Flexovit offers a comprehensive range of steel wire brushes for use with electric drills, angle grinders, bench grinders, and pedestal grinders. All of the products are designed for cleaning and general surface preparation of wood, paint or metal but the different types give each product specific qualities making them more suitable for different applications.

Selecting the Right Product

All Steel Wire Brushes can be used on wood, metal or painted surfaces.



General Cleaning Steel Wire Brush

This product is used for general cleaning, light rust removal and deburring metal. It can also be used on wood and paint. Being drill mounted makes this product extremely flexible.



Steel Wire Cup Brush

Designed for general cleaning of wood, paint, and metal, this product can be used with most types of electric drill.



Steel Wire End Brush

The steel wire end brush is designed for general cleaning, rust removal and deburring of hard to reach areas and intricate contours. It can be used on most electric drills which makes this product very flexible.



Light/Medium Cleaning Crimped Steel Wire Cup Brush

This multipurpose product is designed for use on angle grinders. Crimped wire is very flexible and therefore ideally suited to light rust removal and surface treatment, as well as removing light burrs.



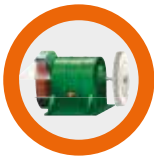
Crimped Steel Wire Wheel

This multipurpose product is designed for use on bench grinders. Reduction rings are included in the pack allowing the bore size to be reduced from the standard dimension to fit most types of machine. Crimped wire is extremely flexible and therefore ideally suited to light rust removal and surface treatment, as well as removing light burrs.

BUFFING AND POLISHING PRODUCTS

The range of buffing and polishing products offered by Flexovit is designed to encompass and surpass all consumer requirements encountered within a merchandising environment. The range includes products for use on electric drills, orbital sanders, angle grinders, and bench grinders. All of the products are designed for use on either plastic or metal surfaces. Compound blocks are also available adding to the products' performance in providing the ultimate surface finish.

Selecting the Right Product



Buffing Wheel

Designed for use on bench and pedestal grinders, buffing wheels are ideal for polishing, finishing or removing dust from metal or PVC surfaces. They can be used with or without a polishing compound and are available in 2 different sizes.



Fleece Bonnet

This product is manufactured from wool making it ideal for polishing, finishing, or waxing metal or PVC surfaces. It can be used on an eccentric sander, electric drill, or angle grinder (max 35m/s). It has a hook and loop backing that allows quick and easy disc changing and can be used with or without a polishing compound.



Polishing Sponge

This sponge can be used for polishing, finishing, or waxing metal or PVC surfaces. It can be used on an eccentric sander, electric drill, or angle grinder (max 35m/s). It has a hook and loop backing that allows quick and easy disc changing and can be used with or without a polishing compound.



Polishing Blocks

Green Block

Used to accompany a polishing wheel or disc, in order to produce a high gloss finish on metal and PVC surfaces.

Brown Block

Used to accompany a polishing wheel or disc, to clean dirt from metal or PVC surfaces.



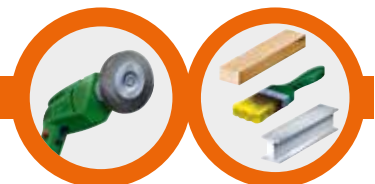
STEEL WIRE WHEELS & BRUSHES



STEEL WIRE BRUSHES



- For general cleaning of wood, paint and metal
- 6mm spindle, for use with most electric drills
- Suitable for light rust removal and deburring



Diameter (mm)	Grade	Max RPM/ M/S	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
75x6 (spindle)	Coarse	4500	1	10	63642556882	3157625568556	2.19
100x6 (spindle)	Coarse	4500	1	10	63642556883	3157625568563	2.56

STEEL WIRE END BRUSH



- For general cleaning of wood, paint and metal
- 6mm spindle, for use with most electric drills
- Suitable for light rust removal and deburring
- Ideal for use on hard to reach areas and intricate contours



Diameter (mm)	Grade	Max RPM/ M/S	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
25x6 (spindle)	Coarse	4500	1	10	63642556889	3157625568617	2.15

Dimensions key: D = Diameter, T = Thickness, B = Bore



STEEL WIRE CUP BRUSHES

- For general cleaning of wood, paint and metal
- 6mm spindle, for use with most electric drills



Diameter (mm)	Grade	Max RPM/ M/S	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
50x6 (spindle)	Coarse	4500	1	10	63642556885	3157625568587	1.94
75x6 (spindle)	Coarse	4500	1	10	63642556887	3157625568594	2.51



CRIMPED STEEL WIRE CUP BRUSH

- For light/medium cleaning of wood, paint and metal
- Ideal for light rust removal, surface treatment and removing burrs
- For use with angle grinders



Diameter (mm)	Grade	Max RPM/ M/S	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
60	Medium	12500	1	3	63642556881*	3157625568549	8.75

* MTO



CRIMPED STEEL WIRE WHEELS

- For light/medium cleaning of wood, paint and metal
- For use with Bench grinders
- Ideal for light rust removal, surface treatment and removing burrs
- Reduction rings included



Dimensions (mm) DxTxB	Grade	Max RPM/ M/S	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
125x18x20	Medium	5350	1	3	63642556890	3157625568624	14.06
150x18x32	Medium	5350	1	3	63642556891	3157625568631	17.30



BUFFING & POLISHING PRODUCTS



BUFFING WHEELS

- For polishing, finishing and removing dust from metal or PVC surfaces
- Can be used with or without a polishing compound
- For use on a bench or pedestal grinder



Diameter (mm)	Max RPM/ M/S	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
125	35	1	5	63642556858	3157625568464	8.93
150	35	1	5	63642556860	3157625568471	11.10

FLEECE BONNET

- For polishing, finishing or waxing metal or PVC surfaces
- Hook and loop quick change backing
- Can be used with or without a polishing compound
- Can be used on an angle grinder, eccentric sander, or electric drill



Diameter (mm)	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
125	1	5	63642556861	3157625568488	8.12

POLISHING SPONGE

- For polishing, finishing or waxing metal or PVC surfaces
- Hook and loop quick change backing
- Can be used with or without a polishing compound
- Can be used on an angle grinder, eccentric sander, or electric drill



Diameter (mm)	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
125	1	5	63642556862	3157625568495	8.33

POLISHING COMPOUND BLOCKS

- For use with a buffing wheel, fleece bonnet or polishing sponge



Colour	Application	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
Brown Polishing Compound Block	Cleaning Dirt	1	5	63642556865	3157625568518	4.92
Green Polishing Compound Block	Providing a high gloss finish	1	5	63642556863	3157625568501	5.71



BACKING PADS & ADAPTOR SHAFTS



BACKING PADS FOR FIBRE & SEMI FLEXIBLE DISCS

- For use with all angle grinders
- For fibre discs and all types of semi-flexible discs



Dimensions (mm) Dx B	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
115x22	1	5	63642556835	3157625568365	10.44
125x22	1	5	63642556838	3157625568372	11.27



BACKING PAD FOR DRILL MOUNTABLE DISCS

- 6mm spindle, for use with most electric drills



Dimensions (mm) Dx B	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
125x12x6 (spindle)	1	5	63642556833	3157625568358	5.39

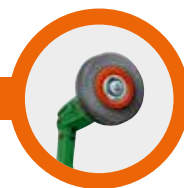


ADAPTOR SHAFT

- For buffing wheels, grinding stones and brushes
- For use with most electric drills



Application	Quantity per Pack	Packs per Case	Article No.	Barcode	List Price per Pack £
Conventional drilling machines	1	5	63642556866	3157625568525	5.91



Dimensions key: D = Diameter, B = Bore



TECHNICAL INFORMATION

- 72 Cutting-Off and Grinding Wheels
- 75 Bonded Abrasives
- 79 Coated Abrasives
- 81 Diamond Blades



TECHNICAL INFORMATION



CUTTING-OFF AND GRINDING WHEELS

General Safety

Instructions for use

Cutting-Off and Grinding wheels should only be used on materials for which they are suitable. This is shown by means of pictograms on the product, the packaging and in the catalogue.

Cutting-Off Wheels

When using cutting-off wheels, keep the wheel straight in the cut and apply light pressure – let the wheel do the work.

Grinding Wheels

When using grinding wheels keep the wheel at an angle of 30-40 degrees to the work piece.

Safety Measures

Suitable eye protection must be worn. It is recommended that other safety equipment is also used.



Mouth Protection



Wear Gloves



Eye Protection



Ear Protection



Read Instruction



Not for Side Grinding



Damaged Wheel

Protection of the Workpiece

Portable Angle grinders should be used in such a manner that sparks fly away from the operator's body and any flammable material.

Safety Guards

The wheel guard of the machine must be in position and securely fixed.

Stopping the Machine

Switch off the machine and allow the wheel to stop completely before placing it on a bench or on the floor. Never bring the wheel to rest by applying pressure to the wheel surface.

Shelf Life of Cutting-Off and Grinding Wheels



All cutting-off and grinding wheels have a use by date engraved on the metal bore ring. Wheels should not be used after this date.


Troubleshooting Guide

To get the best from Flexovit cutting-off and grinding wheels it is important that you:

- Determine the material application and select the most suitable Flexovit wheel.
Using the right wheel for the right material is very important for the life and cutting/grinding behaviour of the wheel. Please consult your local Customer Service or Sales Representative, if in doubt.
- Check the machine is operating correctly and that the machine does not exceed the speed indicated on the wheel. Always use the wheel at its recommended speed.

Below is a troubleshooting guide that will help you recognise and solve some of the most common problems associated with cutting-off and grinding.

CUTTING-OFF WHEELS: Type 41  Type 42 		
Problem	Possible cause	Solution
Excessive wheel wear	In case of white cutting edge: Wheel too soft Operating speed too low Decrease of rpm during cutting	Use harder wheel Increase rpm up to max. (80m/sec) Use machine with more power Reduce pressure on the machine
Wheel does not cut	In case of blue cutting: Wheel too hard or too thick Peripheral speed too low	Use softer or thinner Flexovit wheels Check peripheral speed Increase rpm up to max. (80m/sec)
Crumbled wheel edge	Cutting-Off wheel used for grinding operations Work piece is moving Too much side-pressure	Use a grinding wheel for grinding operations Clamp the work piece properly Add only the radial pressure to the wheel
Arborhole or centre break out	Wheel sticks in the work piece / material Cutting-Off wheel used for grinding operations Too much side pressure Different diameter top/bottom flange	Use more radial pressure and swing the wheel forwards and backwards Use a grinding wheel for grinding operations Add only the radial pressure to the wheel Use flanges with the same diameter

GRINDING WHEELS: Type 27 		
Problem	Possible cause	Solution
Excessive wheel wear	Wheel too soft Too much pressure Decrease of peripheral speed Too low peripheral speed	Use harder wheel Reduce pressure, let the wheel do the grinding Use machine with more power Reduce pressure on the machine Max. 80 m/s is optimum speed
Wheel does not grind	Wheel too hard, wheel glazing Not enough pressure Machine power too low	Use softer wheel Increase pressure Use machine with more power
Crumbled wheel edge	Grinding angle too flat Work piece is moving Too much pressure	Change angle to 30–40° Clamp the work piece properly Reduce pressure, let the wheel do the grinding
Out of Balance (vibration)	Dirty flanges Wheel mounting insecure Flanges with different diameter	Clean flanges Tighten flanges Replace flanges

SAFETY ADVICE – DO'S AND DON'TS:

For your safety you should ensure that you are fully aware of how to safely use cutting-off and grinding wheels.

- ✓ **DO** always handle and store wheels carefully. All cutting and grinding wheels should be placed on top of each other or stored in the original packaging
- ✓ **DO** always visually inspect all wheels before mounting for possible damage in transit
- ✓ **DO** always use a safety guard and ensure that it is correctly positioned and securely fitted. It should cover at least one half of the wheel and protect the operator in the unlikely event of a wheel breakage
- ✓ **DO** always switch 'OFF' the power at supply source and/or remove the plug from the socket before changing the wheel
- ✓ **DO** always use the tools supplied by the machine manufacturer to change the wheel
- ✓ **DO** always ensure that the speed of the machine does not exceed the operating speed marked on the wheel
- ✓ **DO** allow newly mounted wheels to run at operating speed, with the guard in place, for a reasonable time before cutting or grinding
- ✓ **DO** always wear EYE PROTECTION
- ✓ **DO** always wear appropriate safety clothing such as DUST MASK, GLOVES, EAR PROTECTION, OVERALLS AND SAFETY SHOES
- ✓ **DO** always secure the workpiece firmly while it is being cut or ground
- ✓ **DO** grind at an angle above 30 degrees to the workpiece with a depressed centre grinding wheel
- ✓ **DO** keep the working area around cutting and grinding operations clear

DON'TS!

- ✗ **DON'T** store wheels in a damp atmosphere or in extreme temperatures
- ✗ **DON'T** mount a damaged wheel
- ✗ **DON'T** EVER exceed the maximum operating speed marked on the wheel
- ✗ **DON'T** force a wheel onto a machine spindle
- ✗ **DON'T** tighten the mounting nut or locking flange excessively. Doing so can distort the flanges
- ✗ **DON'T** use a machine which is not in good mechanical condition
- ✗ **DON'T** use a machine without a wheel guard
- ✗ **DON'T** use wheels without proper ventilation or dust protection equipment
- ✗ **DON'T** stop the wheel by applying pressure to the periphery or face. Always switch the machine off and allow the wheel to stop revolving
- ✗ **DON'T** allow the wheel to be trapped or pinched in the cut
- ✗ **DON'T** apply excessive pressure onto the wheel so that the driving motor slows down
- ✗ **DON'T** grind on the side of cutting-off wheels
- ✗ **DON'T** grind with a depressed centre grinding wheel at an angle below 30 degrees to the workpiece



Safety in the Use and Storage of Grinding Wheels

Stringent safety standards are maintained throughout the manufacture of Flexovit Bonded abrasives. To further reduce the risk of accidents, the law requires that certain basic precautions are taken in the storage and use of abrasive wheels.

The following points are intended to act as a reminder for those involved in the storage and use of grinding wheels. It is no substitute for careful study of the full regulations and codes of practice. Anyone requiring advice on specific safety matters relating to grinding wheels should contact their local Customer Service Centre detailed on the back cover of this catalogue.

Further information on bonded safety, together with advice on operating speeds and machine types can be found in safety booklets issued by FEPA (Federation of European Producers of Abrasives).

Personal Protection

Safety goggles, ear muffs, safety gloves, dust masks, leather aprons and safety shoes must be worn.

Storage

Always store and handle bonded abrasive products carefully. Storage conditions should be dry and free from large temperature variations.

Testing the Product prior to use – The Ring Test

Always examine a product for damage before mounting. The best method of inspecting a vitrified grinding wheel is by performing a ring test.

The ring test must be performed before the wheel is mounted on a grinding machine. Ring tests depend on the dampening characteristics of a cracked wheel altering the sound emitted when the wheel is tapped lightly. To perform the ring test wheels should be held through the bore at a 45 degree angle to the ground and then tapped gently on both sides with a light non-metallic element, such as the handle of a screwdriver.

An undamaged wheel will give a clear tone. If cracked, there will be a dead sound and not a clear ring. In this instance the wheel should not be used.

Wheels must be dry and free from packaging when doing the ring test.

Wheel Speed

The initial speed of the wheel at full diameter should not exceed the maximum operating speed (MOS) specified on the wheel. Do not put the wheel in contact with the work piece until it is up to speed.

When is a Grinding Wheel Worn Out?

The usable portion of an abrasive wheel is that which extends beyond the mounted flanges. A wheel should not be worn down to a size which would allow the mounted flanges to come into contact with the work piece, or work piece holding fixture.

What are the Major Causes of Grinding Wheel Breakages?

A grinding wheel is a safe tool when used correctly. All Flexovit Grinding Wheels are manufactured and tested in accordance with FEPA regulations. However, when grinding wheels are shipped they may be exposed to forces that could damage them. Listed below are some of the other major causes of grinding wheel breakages:

- Using a grinding wheel damaged during transportation, storage, or as a result of careless or improper handling is extremely dangerous. Carefully inspect all grinding wheels before mounting them. NEVER MOUNT A DAMAGED GRINDING WHEEL.
- Selecting the wrong grinding wheel for the job. NEVER GRIND MATERIAL FOR WHICH THE GRINDING WHEEL IS NOT DESIGNED.
- Incorrect machine. NEVER FORCE A GRINDING WHEEL ON TO THE SPINDLE, THEY SHOULD ALWAYS BE A SLIDING FIT.
- Machine operating speed higher than grinding wheel recommended MOS. NEVER OVERSPEED A GRINDING WHEEL.
- Poor machine maintenance. FAILURE TO PROPERLY MAINTAIN A GRINDING MACHINE CAN CAUSE GRINDING WHEEL BREAKAGES RESULTING IN SERIOUS INJURY OR DEATH.
- Poor wheel balance.
- Jamming the work into the grinding wheel.
- Grinding with sufficient force so the motor slows noticeably or the work gets hot.
- Grinding on the wrong surface of a grinding wheel. i.e. On the side of a straight grinding wheel.
- For additional information on grinding wheel safety please contact your local Saint-Gobain Abrasives Customer Service Centre (contact details are given on the back cover of this catalogue).

Safety in the Use of Spindle Mounted Points

Preparation for Use

Ensure that the spindle is correctly centred in the collet or chuck, and is fixed securely. Do not allow the mounted point to rotate at a speed higher than that recommended by the manufacturer. The spindle speed in rpm must never exceed that specified. Do not put the mounted point in contact with the work piece until it is up to speed.

Personal Protection

It is recommended that safety goggles are worn.

Operation

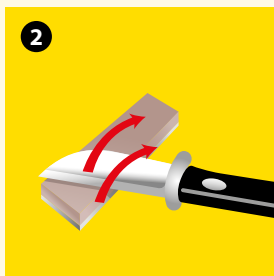
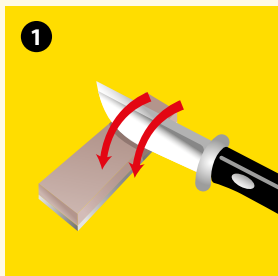
Flexovit mounted points have 6mm spindles which should only be used with 6mm collets. To prevent the spindle becoming loose in the collet or chuck do not use excessive pressure when grinding.

Safety in the Use of Sharpening Stones

Sharpening Stones are very effective when used correctly. Following these simple guidelines will make sure that you use them safely and effectively.

Sharpening blades, knives, and other tools

There is nothing more impractical than a dull blade. With these simple steps you can restore their sharpness easily and safely.



Step 1

Place knife or blade diagonally across stone and tilt heel of blade 15–35 degrees to meet factory bevel angle.

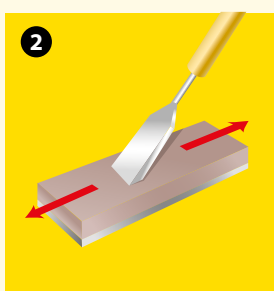
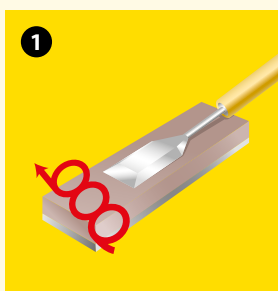
Step 2

Holding wrists rigid, draw across and down from heel to tip of knife blade.

Step 3

Alternate blade sides until sharp. Do not be overly concerned about the grinding angle, but do control the consistency of the angle throughout the sharpening.

Sharpening Chisels



Step 1

First flatten the face by guiding blade across stone length using long, oval strokes until you have a uniform surface and finish.

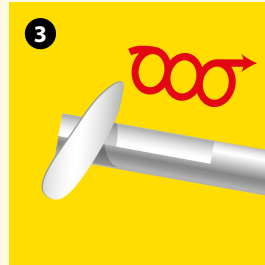
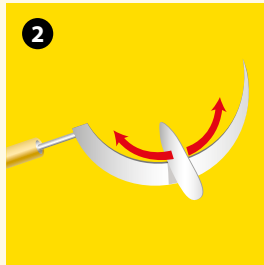
Step 2

Establish the angle of the bevel. Holding wrists rigid, move the blade forward down the length of the stone using the whole stone width, applying pressure only in the forward motion.

Step 3

Remove wire edge by lightly stroking the stone against the cutting edge of the chisel.

Sharpening Curved General Tools



Step 1

Clamp tool handle in vice or hold by the handle.

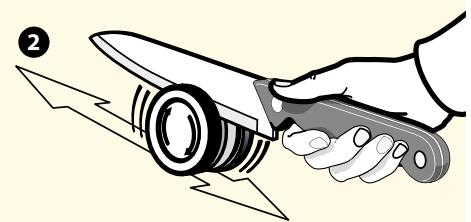
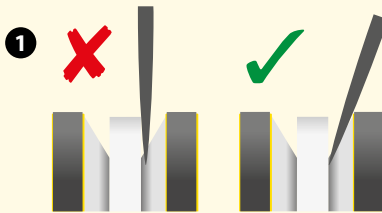
Step 2

Apply stone at an angle parallel with bevel edge.

Step 3

Stroke in small circular motions on one side of the blade and then the other.

Knife Sharpener



Step 1

Place the sharpener on a flat surface and position the knife's edge against the stone, as shown in the diagram.

Step 2

Apply slight pressure, move the knife back and forth in a saw-like movement, so that the knife's cutting edge slides on the stone. Allow the sharpener to roll freely during this operation. Repeat the motion 10 to 15 times on each side of the cutting edge.

Step 3

To obtain a cutting edge similar to that of a blade follow the above steps and then slide each side of the blade two more times, this time applying less pressure with a very gentle motion.

COATED ABRASIVES



What is a Coated Abrasive?

Coated abrasives are generally used for sanding, deburring, scouring, polishing, and finishing applications. They are manufactured in a wide variety of forms, types, and dimensions. However, all coated abrasive products consist of the same 3 specific components, which are abrasive grain, backing material, and bond. Varying each of these components helps give each abrasive product unique qualities that make it suitable to specific applications.

Abrasive Grain

A variety of different abrasive grains are used which can be categorized into two main types:

Synthetic Abrasives

Aluminium Oxide and Silicon Carbide are the two synthetic abrasive grains used in Flexovit products. These are manufactured at very high temperatures to help produce a much harder abrasive grain. Hardness is a key requirement of an abrasive grain as it must be hard enough to cut and tough enough not to disintegrate.

- **Aluminium Oxide** is a hard abrasive grain characterized by a cool cut, long life and the ability to fracture under pressure, producing new cutting edges.
- **Silicon Carbide** is the hardest and sharpest grain used within conventional abrasives. Its extreme sharpness makes it ideal for fine finishing and its supreme hardness makes it excellent for use on stone and hard materials.

Natural Abrasives

Emery and Glass are the two natural abrasives used in Flexovit products. They are generally much softer than synthetic abrasives and are ideal for light stock removal.

Grain Distribution

There are two types of grain distribution:

Open Coat Distribution

Open Coat covers 40-60% of the backing material with grain leaving larger spaces between each grain. This makes this type of product ideal for fast removal of stock where a coarse, strong, longer lasting product is required.

Closed Coat Distribution

Closed Coat has a 100% coverage of the backing material and therefore has a high ratio of sharp grain to surface. It is recommended for use where a fine and smooth finish is required.

Backing Material

Backing Materials must be smooth enough to allow a uniform application of the adhesive coating, strong enough to withstand sanding pressures, and flexible enough to conform to the contours of the workpiece.

The Flexovit Merchandising Range includes a wide variety of backing materials including paper, cotton & polyester fabric and fibre materials. Also, waterproof paper products are specially treated making them suitable for use with water.

Paper

Paper is the most common backing material. The product's performance can vary as a result of the weight of the paper backing. Lighter paper is generally more flexible and heavier paper is stronger and less likely to tear.

Cloth (fabric)

Cloth backings generally give a greater level of performance than paper. They combine a high degree of flexibility, with high tensile strength making them the most durable backing material available. Cloth backed products must only be used for dry sanding and are ideal for heavy stock removal.

Fibre

Fibre backing is dense and semi-rigid. It is used exclusively for the production of fibre discs, which are ideal for working on metal.

Bond

The bond fixes the abrasive grain to the backing material. Flexovit uses two distinctly different bond applications on every product, the first to adhere the grain to the backing (make coat) and the second to anchor the grain securely in place (size coat).

There are also two different types of bond:

Natural Adhesive

Animal and vegetable adhesives for general purpose use.

Synthetic Resin

For increased durability and heavier stock removal.

Storage Conditions

Coated abrasives should be stored in dry frost free conditions. They should be kept away from cold and damp, and not be exposed to high temperature variations or direct sunlight. Excessively dry or humid storage may incur deformation.

Safety in Use

All coated abrasives should be handled carefully. Safety goggles, safety gloves, dust masks should be worn.

Safety instructions provided by machine manufacturers must be followed. Make sure the abrasive is suitable for the application before use. No modifications should be made to the product.

DIAMOND BLADES



Get the best from your Flexovit Diamond Blade

- Do not use a "wet" diamond blade for dry cutting.
- The following machine faults could affect the lifespan and performance of the diamond blade:
 - Worn or damaged bearings
 - Worn or damaged spindle
 - Loose or damaged drive belts
 - Clogged filters
 - Damaged or incorrectly sized flanges
 - Blocked water jets
 - Damaged water pump
 - Insufficient or irregular water supply
- Fit the blade so it rotates in the direction indicated.
- Check that the diamond blade is suitable for the material to be cut.
- Do not exert too much pressure – let the blade do the work.
- Check that the diamond blade does not vibrate during operation.

RPM At Maximum Operating Speed 80 M/S

Diameter (mm)	Max RPM
105	15 300
115	13 300
125	12 250
150	10 200
180	8 500
200	7 650
230	6 650
250	5 100

NEVER EXCEED the maximum operating speeds:

- Hand held blades $\phi \leq 230\text{mm}$: 80 m/s
- Hand held blades $\phi > 230\text{mm}$: 100 m/s
- Others : 63 m/s



Not to be used for side grinding



Read the instructions



Wear hearing protection EN352



Wear eye protection EN166B



Wear gloves EN388 cat. 2



Wear a respirator EN149

TROUBLESHOOTING

THE DIAMOND BLADE DOES NOT CUT

Cause	The segments are too hard for the material
Solution	Check if the blade is suitable for the material

Cause	The segments have become blunt
Solution	Sharpen the segments by cutting an abrasive material (e.g. sandstone)

Cause	Insufficient machine power
Solution	Check the voltage, machine power and filters

EXCESSIVE WEAR

Cause	The segment is too soft for the material (e.g. if a blade for hard material is used to cut abrasive material)
Solution	Check if the diamond blade is suitable for the material

CRACKING OF STEEL CENTRE

Cause	The segments are too hard for the material
Solution	Check if the blade is suitable for the material

Cause	Excessive cutting pressure, overheating, material slippage, twisting or jamming in the cut
Solution	Leave the blade to do the work, do not exert too much pressure and allow the blade to cool regularly by leaving it to rotate away from the work piece for a few seconds

LOOSENING OR CRACKING OF SEGMENTS

Cause	The segments are too hard for the material. This results in the diamond blade bouncing in the cut resulting in cracking segments
Solution	Check if the diamond blade is suitable for the material

SCORCHING OF SEGMENTS

Cause	Excessive cutting pressure causing overheating. This is easily recognisable from the blue colouring where the segments and the steel core are welded together
Solution	Allow the diamond blade to cool regularly by rotating the blade away from the work piece for a few seconds

Cause	The segments are too hard for the material
Solution	Check if the diamond blade is suitable for the material. Alternatively use less cutting pressure and let the blade do the work

UNDERCUTTING

Cause	Undercutting occurs when the steel core wears faster than the segment, i.e. where the segment and steel core meet. This is usually caused by materials that are highly abrasive. The cutting debris is not removed sufficiently and the steel core is affected. Undercutting is certain to occur if a diamond blade for hard materials is used to cut abrasive materials
Solution	Use a diamond blade suitable for the specific material

SAFETY ADVICE – DO'S:

For your safety you should ensure that you are fully aware of how to safely use diamond blades.

- ✓ **DO** Read the safety instructions provided by the abrasives and equipment supplier
- ✓ **DO** Store abrasives in dry, frost-free conditions avoiding wide variations in temperature
- ✓ **DO** Ensure that the product is suitable for its purpose
- ✓ **DO** Handle, store and transport products with care
- ✓ **DO** Disconnect the power to the machine before fitting the product
- ✓ **DO** Examine all products before mounting and periodically during blade use for possible defects or damage (core flatness, fatigue cracks, undercutting, arbor hole damage...)
- ✓ **DO** Check that correct mounting devices are used and that they are clean, undistorted and free from burrs
- ✓ **DO** Ensure that work rests are properly adjusted and secure
- ✓ **DO** Always use a correctly designed and adjusted guard (on the blade and belts)
- ✓ **DO** Ensure that the workpiece is secure
- ✓ **DO** Wear appropriate personal protective equipment at all times
- ✓ **DO** Avoid clogging and uneven wear to ensure that the product is working efficiently
- ✓ **DO** Ensure accordance between product direction arrow / machine rotation
- ✓ **DO** Ensure that all machines using abrasives meet the requirements of the current European machinery directives-CE
- ✓ **DO** Be aware of the hazards likely during the use of abrasives and observe the recommended precautions to be taken:
 - Bodily contact with the abrasive product at operating speed
 - Injury resulting from product breakage during use
 - Grinding debris, sparks, fumes and dust generated by the grinding process
 - Noise
 - Vibration

SAFETY ADVICE – DON'TS:

For your safety you should ensure that you are fully aware of how to safely use diamond blades.

- ✗ DON'T** Allow untrained people to use abrasives
- ✗ DON'T** Use a product that is damaged or one which has been dropped
- ✗ DON'T** Use a product if it cannot be properly identified
- ✗ DON'T** Use a machine that is not in good working order or one with defective parts
- ✗ DON'T** Force the abrasive onto the mounting device or modify the size of the mounting hole
- ✗ DON'T** Exceed the maximum operating speed marked on the product
- ✗ DON'T** Apply shock or excessive force to the product or let it overheat
- ✗ DON'T** Use mounting flanges which are not clean and flat
- ✗ DON'T** Tighten the mounting device excessively
- ✗ DON'T** Start the machine until the guard is in place and fastened securely
- ✗ DON'T** Continue to use a product if vibration occurs. True or replace it
- ✗ DON'T** Grind on the part of the product which is not designed for the operation
- ✗ DON'T** Start the machine with the workpiece in contact with the abrasive product
- ✗ DON'T** Grind material for which the product is not designed
- ✗ DON'T** Stop the abrasive by applying pressure to its surface, let it stop naturally
- ✗ DON'T** Exceed permissible rotation speeds: refer to values engraved on product
- ✗ DON'T** Use blades with missing segments or core cracks
- ✗ DON'T** Use dry products marked for wet use
- ✗ DON'T** Wear loose clothing, ties and jewellery
- ✗ DON'T** Use abrasive products near flammable materials



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TERMS & CONDITIONS

GENERAL CONDITIONS FOR THE SUPPLY OF GOODS AND ASSOCIATED SERVICES

1. (a) In these conditions 'the Company' means Saint-Gobain Abrasives Ltd and 'the Customer' means the individual, firm, company or other party with whom the Company contracts. 'Supply' includes (but is not limited to) any supply under a contract of sale. 'International Supply Contract' means such a contract as is described in section 26(3) of the Unfair Contract Terms Act 1977.
(b) No order in pursuance of any quotation or otherwise shall be binding on the Company unless and until such order is accepted by the Company. Any contract made between the Company and the Customer (herein called 'the Contract') shall be subject to these conditions and save as aforementioned no representative or agent of the Company has authority to agree any terms or make any representations inconsistent with them or to enter into any contract except on the basis of them; any such term representation or contract will bind the Company only if in writing and signed by a director.
(c) Unless otherwise agreed in writing by the Company these conditions shall override any terms and conditions stipulated or referred to by the Customer in his order or pre-contract negotiations.
(d) Any description contained in the Company's catalogues, samples, price lists or other advertising material is intended merely to present a general picture of the Company's products and services and shall not form a representation or be part of the Contract.
(e) In the event that the Company has not given a written acknowledgement of the Customer's order these conditions, provided the Customer shall have had prior notice of them, shall nonetheless apply to the Contract.
(f) In the event that the Customer orders any goods by telephone, any subsequent written order received from the Customer will be deemed to be a confirmation of the order given on the telephone if and only if the written order is (i) marked with the Company's reference number given to the Customer on the telephone and (ii) marked 'Confirmation Only'. Any written order not so marked will be deemed to be a further order from the Customer and may be accepted accordingly.
(g) The Company reserves the right to correct any employee clerical or typographical errors made at any time.
2. (a) Where goods are made to the Customer's specification, instructions or design, the Customer undertakes full responsibility for the suitability and accuracy of the specification, instructions or design and undertakes to indemnify the Company against any infringement of any patent, design rights, registered design, trade mark, trade name, copyright or other intellectual property rights and any loss, damage or expense which it may incur by reason of such infringement in any country and the Customer undertakes further to indemnify the Company for any loss damage or expense in respect of any liability arising under or by reason of the provisions of the Consumer Protection Act 1987 in relation to the specification or design of such goods.
(b) The Customer warrants that it will pass on to all third parties to whom it may supply the goods all information as to the use and safe handling of the goods as may have been passed on to the Customer by the Company.
3. (a) Subject to any agreement to the contrary the Company's quotations are provisional and may be altered to take account of any changes taking place between the date of quotation and the Company's acceptance of the Customer's order in the price of raw materials, rates of wages and other costs of production or in the Customer's specification, instructions or design or in the event that the Customer orders part only of the quantity referred to in any quotation.
(b) The Company shall be entitled to increase its prices at any time to take account of any increase in the cost to the Company of purchasing any goods or materials or manufacturing working on or supplying any goods or services (including any such increase arising from any error or inadequacy in any specification, instructions or design provided by the Customer or any modification carried out by the Company at the Customer's request) and such increased prices ruling at the date of despatch by the Company shall be substituted for the previous Contract price. All prices quoted are exclusive of VAT and the Customer shall pay any and all taxes duties and other government charges payable in respect of the goods or services.
(c) Unless otherwise agreed in writing by the Company, the Company shall deliver the goods by the means most convenient to the Company to the address or addresses specified by the Customer or (in the event that the Customer fails to specify an address) to any address at which the Customer resides or carries on business and off-loading shall be at the Customer's risk.
(d) If the Contract is an International Supply Contract it shall be deemed to incorporate the latest edition of Incoterms current at the date of the Contract save that in the event of any inconsistency between incoterms and any express term of the Contract the latter shall prevail. The Company shall be under no obligation to give the Customer the notice specified in section 32 (3) of the Sale of Goods Act 1979.
(e) Save in the Case of International Supply Contracts and subject to any agreement in writing by the Company, the risk in goods which the Company agrees to supply shall pass to the Customer on the relevant date as defined in sub paragraph 5 (a) hereof or the date (if earlier) on which, the goods being ready for delivery, delivery is postponed at the Customer's request.
(f) The Company shall not be liable for any loss of or damage sustained by any goods left with the Company howsoever caused and whether or not attributable to negligence on the part of the Company or negligence or wilful default on the part of any servant or agent of the Company.
(g) Should the Company be delayed in or prevented from making delivery of the goods or carrying out the services due to war, governmental or parliamentary restrictions, strike, lock-outs, fire, floods, explosions, labour disturbances, trade disputes, damage to or destruction of the goods, breakdown of machinery, shortage of labour or of raw materials or Act of God or due to any other cause whatsoever beyond the reasonable control of the Company the Company shall be at liberty to cancel or suspend the order placed by the Customer without incurring any liability for any loss or damage arising there from.
(h) While the Company will endeavour to deliver the goods or complete the services by any date or within any period agreed upon, such dates and periods are estimates only given in good faith and the Company will not be liable for any failure to deliver or complete by such a date or within such a period. Moreover, the Company shall be entitled to defer delivery until any monies due from the Customer have been received.
5. (a) For the purposes of this paragraph the goods shall mean the whole or any instalment of the goods which the Company has agreed to supply or to which the Company has agreed to carry out work and the relevant date shall be the date on which (i) the Company despatches the goods or (ii) the Customer takes delivery of the goods at the Company's premises, whichever is the earlier, or (iii) (in the case of services) the services or any part thereof are carried out.
(b) Unless otherwise specified in writing by the Company payment for the goods or services or any part thereof shall be made by the customer net cash not later than the 28th day of the month following the month in which the relevant date falls. Time for payment shall be of the essence of the Contract. Without prejudice to any other rights of the Company interest will be payable on all overdue accounts at Barclays Bank PLC base rate plus 4% and for the purpose of paragraphs 6 and 8 hereof the full purchase price of the goods or services shall include any interest payable hereunder.
(c) Queries or inaccuracies regarding the invoice will only be entertained if the Customer has given the Company written notice of such queries or inaccuracies within 14 days of the invoice date.
(d) The Customer shall make all payments due in full without any deduction by way of set-off, counterclaim, discount or abatement, unless the Company expressly agrees otherwise.
6. (a) If the Customer shall fail to make any payment when it becomes due or shall enter into any composition or any arrangement with his creditors or if being an incorporated company shall have an administrative receiver or administrator appointed or shall pass a resolution for winding up or a Court shall make an order to that effect or if there shall be any breach by the Customer of any of the terms and conditions hereof the Company may defer or cancel any further deliveries and treat the Contract as determined but without prejudice to its right to the full purchase price for goods delivered and services provided and damages for any loss suffered in consequence of such determination.
(b) Cancellation by the Customer will only be accepted at the discretion of the Company and in any case on condition that any costs or expenses incurred by the Company up to the date of cancellation and all loss or damage resulting to the Company by reason of such cancellation will be paid by the Customer to the Company forthwith. Acceptance of such cancellation will only be binding on the Company if in writing.
(c) A charge will be made for any costs incurred by the Company due to suspension or deferment of any order by the Customer or in the event that the Customer defaults in collecting, or giving instructions for the delivery of, any goods.
7. (a) No claim for damage in transit, shortage of delivery or loss of goods will be entertained unless the Customer shall have given to the Company written notice of such damage, shortage or loss with reasonable particulars thereof within 14 days of receipt of the goods or (in the case of total loss) of receipt of the invoice or other notification of despatch. The Company's liability, if any, shall be limited to replacing or (in its discretion) repairing such goods and it shall be a condition precedent to any such liability that the Customer shall if so requested have returned damaged goods to the Company within 14 days of such request. The Customer shall not be entitled to make any claim against the Company for consequential loss arising out of such damage shortage or loss as aforesaid.
(b) Save as otherwise provided in these conditions the Company's liability in respect of any defect in or failure of goods supplied or work done is limited to replacing or (in its discretion) repairing or paying for the repair or replacement of goods which within 12 months of delivery to the Customer are found to be defective by reason of faulty or incorrect design workmanship parts or materials and carrying out again any services which the Company has failed properly to perform in accordance with the Contract. In the event of any error in any weight, dimension, capacity, performance or other description or information which has formed a representation or is part of a contract the Company's liability in respect of any direct loss or damage sustained by the Customer as a result of such error shall not exceed the price of the goods or services in respect of which the description or information is incorrect. Conditions precedent to the Company's liability hereunder shall be that as soon as reasonably practicable the Customer
(i) shall have given to the Company reasonable notice of the defect, failure or error
(ii) shall have either returned the goods to the Company or provided authority for the Company's servants or agents to inspect them, as the Company may request. The Company shall have no other or further liability in respect of any direct, indirect or consequential loss or damage sustained by the Customer arising from or in connection with any such defect failure or error as aforesaid.
(c) Where the Company agrees to repair or replace goods or carry out again the services in accordance with the foregoing provisions of this paragraph any time specified for delivery under the Contract shall be extended for such period as the Company may reasonably require.
(d) The Company shall have no liability in respect of any failure of goods caused, whether wholly or in part, by any modification to the goods (save for trimming or dressing the goods for use) carried out by or for the Customer (other than by the Company) without the Company's prior written approval.
(e) Save for such terms as may be implied in the Contract by section 12 of the Sale of Goods Act 1979 or section 2 of the Supply of Goods and Services Act 1982 all conditions, warranties and other terms express or implied, statutory or otherwise, are expressly excluded, save insofar as contained herein or as otherwise expressly agreed by the Company in writing PROVIDED that if and insofar as any legislation or any order made thereunder shall make or have made it unlawful to exclude or purport to exclude from the Contract any term or shall have made unenforceable any attempt to exclude any such term, the foregoing provisions of this paragraph will not apply to any such term.
(f) Nothing in this agreement shall limit the Company's liability for death or personal injury caused as a result of the negligence of the Company.
8. The following provisions shall apply to all goods which under the Contract (other than an International Supply Contract) the Company agrees to supply to the Customer. No failure by the Company to enforce strict compliance by the Customer with such provisions shall constitute a waiver thereof and no termination of the contract shall prejudice limit or extinguish the Company's rights under this paragraph.
(i) Property in the goods shall not pass to the Customer until full payment has been received by the Company for the goods and any other goods supplied by the Company or any of its associated companies.
(ii) The Customer undertakes that until payment has been made in accordance with 8(i) above- not to remove, deface, or cover up any identification marks that the goods are the property of the Company
- to store the goods separately from those belonging to the Customer and others
- to allow the Company, its agents and employees, unrestricted access to the Customer's premises or any other location where the goods are stored, for the purpose of removal of the goods.
(iii) The Customer is hereby granted a license by the Company to incorporate the goods in any other products.
(iv) The Customer is hereby licensed to sell on the goods and any products incorporating any of them. The Customer shall, immediately upon receipt of the proceeds of sale, and whether or not payment has become due under Clause 5 hereof, remit to the Company the full purchase price of the goods sold on less any part thereof which has already been paid and until such amount has been so remitted shall hold such amount as trustee and agent for the Company.
(v) The Customer shall maintain all appropriate insurance in respect of the goods from the date or dates on which the risk therein passes to him. In the event of any loss or damage occurring while the goods remain the property of the Company the Customer shall immediately on receipt of the insurance monies, remit to the Company the full purchase price of the goods lost or damaged less any part thereof which has already been paid and until such amount has been so remitted shall hold such amount as trustee and agent for the Company.
(vi) The licences granted under sub-paragraphs (ii) and (iii) above shall be terminable forthwith at any time upon notice by the Company to the Customer.
9. In the case of International Supply Contract property in the goods shall pass to the Customer upon delivery.
10. Save as hereinbefore provided and subject to the provisions of section 2(i) of the Unfair Contract Terms Act 1977 the Company shall not be liable to the Customer for any damage or for any direct or consequential loss incurred by the Customer in consequence of any negligence on the part of the Company or negligence or wilful default on the part of its servants or agents or in connection with the supply of any goods or the design or manufacture thereof or in the carrying out of any work or the provision of any information.
11. Nothing in these Conditions shall exclude or restrict any liability that the Company may have by virtue of the Consumer Protection Act 1987.
12. The proper law of all contract with the Company shall be English Law which shall govern in all respects the construction and effect of such contracts and of these Conditions. The Customer agrees that in the event of any dispute arising out of the Contract or the performance thereof he will submit to the exclusive jurisdiction of the English Courts.
13. The Customer shall ensure that in any dealings with the Company, neither it or its employees or agents shall commit any offence under the Bribery Act 2010 ("the Act") including not engaging in any activity, practice or conduct which would constitute an offence under sections 1, 2 or 6 of the Act. The Customer shall inform the Company immediately it becomes aware of any actions between the parties that could constitute an offence under the Act.

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