

flex vit



**A COMPLETE RANGE OF
ABRASIVE PRODUCTS
FOR HARDWARE**

2020



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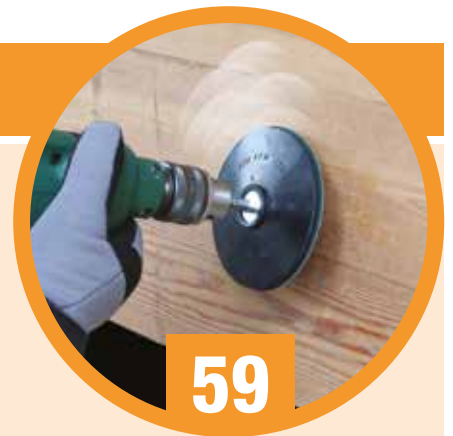
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MERCHANDISING PROGRAM

A range of products for all retail and merchandising environments.

This professional product range consists of a comprehensive selection of abrasives for sanding, cutting discs and grinding wheels, diamond blades, bonded abrasives and accessories.

The Flexovit merchandising program has been created with the objective to improve your abrasive category revenue – **‘HELPING YOU TO SELL MORE ABRASIVES’.**

We aim to provide a dynamic merchandising environment, focusing consumer attention and stimulating action. We can help you achieve this through:

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

We have also devised a 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, with complete collection of high performance and high value abrasives, commanding an excellent market image which spans the globe.

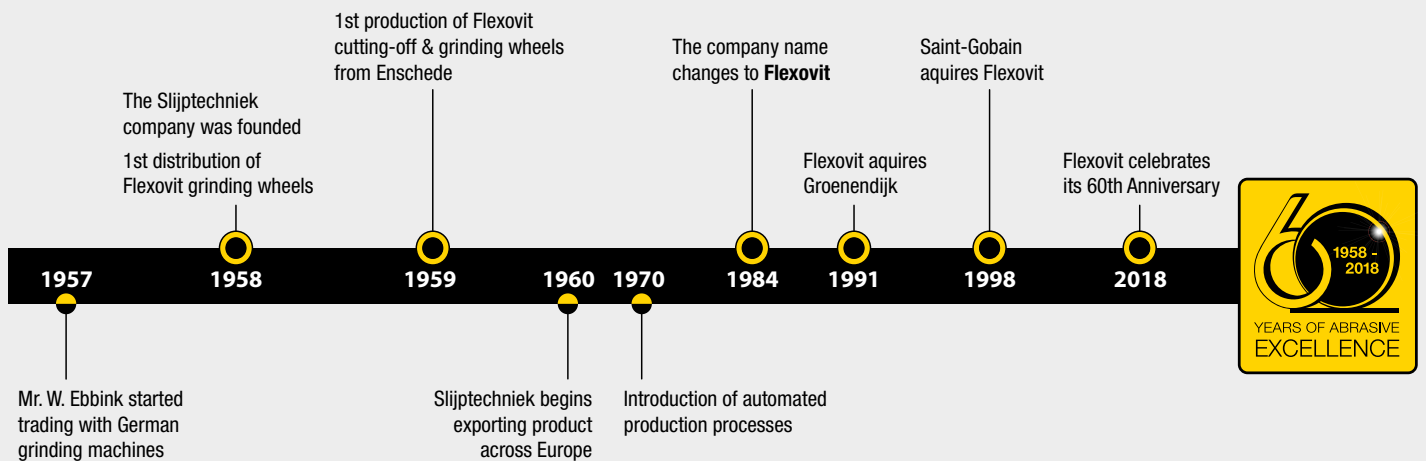
Dedicated to sanding, cutting, grinding and polishing, this Flexovit product range has been developed as a direct result of listening, understanding and responding to both market and customer requirements.

With this 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 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.

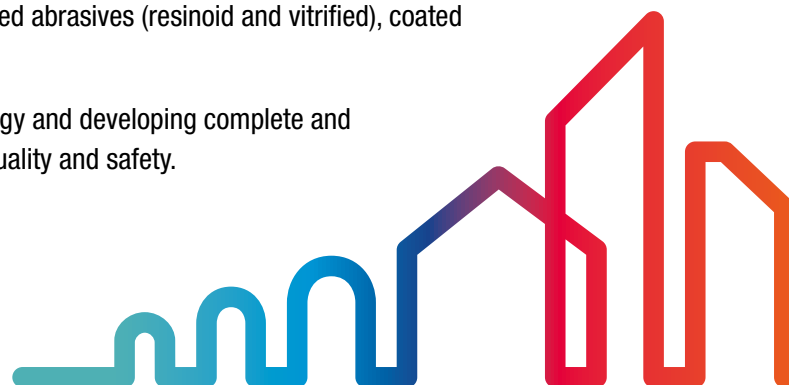


SAINT-GOBAIN ABRASIVES

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

With a strong presence in every continent, the Abrasive division serves its customers through 64 organisational 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.



HOW TO USE THIS CATALOGUE

THE CATALOGUE IS DIVIDED INTO COLOUR CODED SECTIONS BY PRODUCT TYPE:

- CUTTING DISCS AND GRINDING WHEELS
- BONDED ABRASIVES
- COATED ABRASIVES
- DIAMOND BLADES
- ACCESSORIES

AT THE BEGINNING OF EACH SECTION YOU WILL FIND USEFUL INFORMATION, INCLUDING:

- How to select 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



HOW TO ORDER

Please contact your local Customer Service Centre, details can be found on the back page of the catalogue. For countries that are not listed please send your request to our European Headquarters.

When placing an order it helps to have the following information available:

- Your name
- Your account number
- Your order or reference number
- Product article number/s
- Required quantity
- Any special instructions

If you require additional product or technical information then please do not hesitate to contact your local Customer Service or Sales Representative.

PRICES

For prices and terms of sale please refer to the price list.

UNDERSTANDING THE RANGE

Using the Flexovit yellow and iconic 'O' symbol gives impact and recognition in merchandising environment. This style is applied throughout the whole range with simple and direct communication using clear application pictures, supported by text in eleven European languages for easy product selection.



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 hand use application.

This is supported by pictograms showing which materials the product can be used on (for example wood or metal), as well as technical information related to the product..

Constant brand colour & Flexovit logo on all packs

PRO logo and benefit attribute where relevant

Main image – shows the product is used for

Window exposing product

Technical information box

Material product can be used on



DIFFERENTIATION WITHIN THE RANGE

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



TECHNICAL INFORMATION

Essential product information is included on the front of pack:

- Grit
- Size
- Speed
- Wet / Dry
- Quantity
- Machine type diagrams
- Product diagram

60  <ul style="list-style-type: none"> • COARSE • GRUESO • GROS • GROB • GRUBOZIARNISTE • HRUBÝ • GROF • GROSSO 	  
93x230mm	
10x 	

More details can be found on the back of the packaging related to the grit and application. This is translated into eleven languages.

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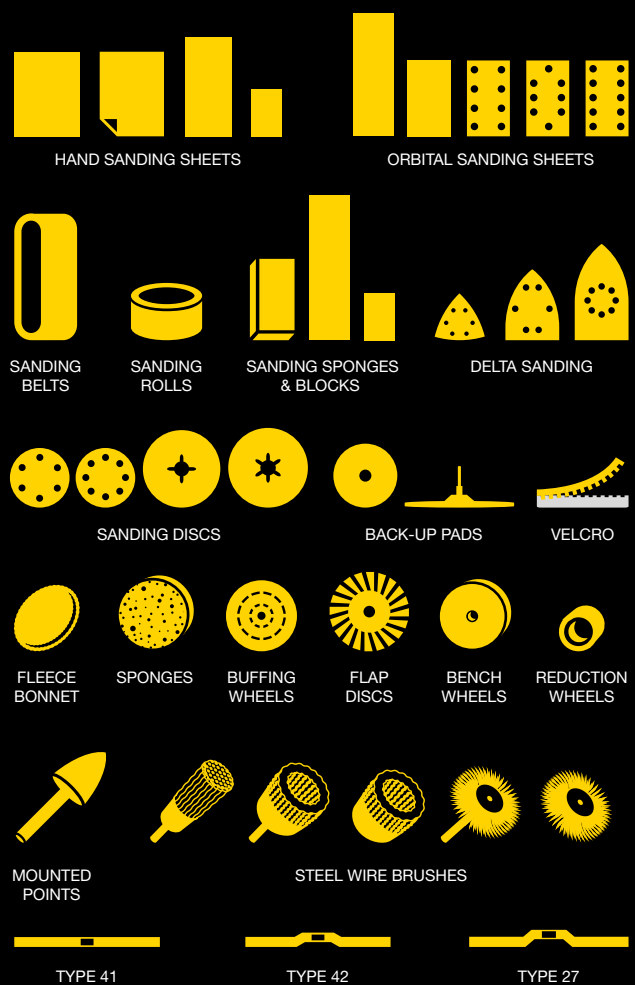
PICTOGRAMS



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



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

RETAIL PACKAGING (PREPACK)

Smaller pack quantities designed for merchandising from hooks within a display unit.

The packaging quantities and 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.

CUTTING DISCS & GRINDING WHEELS



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CUTTING DISCS	16
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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.

UNDERSTANDING THE PRODUCT

Constant brand colour & Flexovit logo on all packs

The **PRO icon** gives superior products immediate shelf presence differentiating them within the range

Suitable materials are communicated using text

Machine type & application text

Dimensions & maximum operating speed

Colour coded to help identify application materials

Safety symbols & Safety and Quality Certification



SELECTING THE RIGHT PRODUCT

Flexovit Cutting discs 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.



GRINDING
Type 27 Wheels (BF 27)



CUTTING
Type 41 Wheels (BF 41)

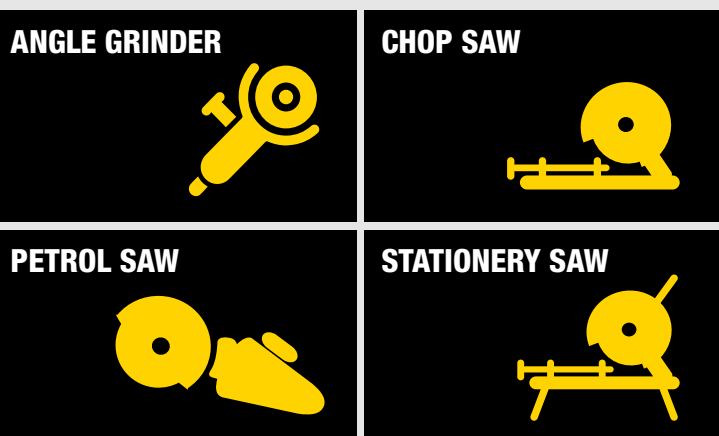


CUTTING
Type 42 Wheels (BF 42)

PACKAGING ICONS

MACHINE GUIDE

Flexovit cutting and grinding discs 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 discs 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 and application.



CUTTING DISCS & GRINDING WHEELS

CUTTING DISCS



FOR STEEL/INOX

- Ultra long life
- Comfortable and easy to use
- Straight and fast cutting
- Thin accurate cutting
- Free from irons, sulphur and chlorine



TYPE 41 



DIA(mm)	TxB(mm)	SPECIFICATION	PK QTY	ARTICLE NO.	BARCODE
115	1,0x22,23	A 60 S-BF41 Pro	25	66252920407	8711479388606
115	1,6x22,23	A 46 S-BF41 Pro	25	66252920408	8711479388620
125	1,0x22,23	A 60 S-BF41 Pro	25	66252920409	8711479388644
125	1,6x22,23	A 46 S-BF41 Pro	25	66252920410	8711479388668
180	1,6x22,23	A 46 S-BF41 Pro	25	66252920411	8711479388682
230	1,9x22,23	A 46 S-BF41 Pro	25	66252920412	8711479388705

FOR STEEL INOX

- Thin accurate cutting
- Free from irons, sulphur and chlorine



TYPE 41 



DIA(mm)	TxB(mm)	SPECIFICATION	PK QTY	ARTICLE NO.	BARCODE
115	1,0x22,23	A 60 R-BF41	25	66252920421	8711479388897
115	1,6x22,23	A 46 R-BF41	25	66252920422	8711479388910
125	1,0x22,23	A 60 R-BF41	25	66252920423	8711479388934
125	1,6x22,23	A 46 R-BF41	25	66252920424	8711479388958
150	1,6x22,23	A 46 R-BF41	25	66252920425	8711479388972
180	1,6x22,23	A 46 R-BF41	25	66252920426	8711479388996
230	1,9x22,23	A 46 R-BF41	25	66252920427	8711479389016

MULTI-PURPOSE

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



TYPE 41



DIA(mm)	TxB(mm)	SPECIFICATION	PK QTY	ARTICLE NO.	BARCODE
115	1,0x22,23	C 60 R-BF41	25	66252926775	8711479427732
115	1,6x22,23	C 46 R-BF41	25	66252920428	8711479389030
125	1,0x22,23	C 60 R-BF41	25	66252926776	8711479427749
125	1,6x22,23	C 46 R-BF41	25	66252920429	8711479389054
230	1,9x22,23	C 46 R-BF41	25	66252926779	8711479427787

FOR STEEL

- Comfortable and easy to use
- Straight clean cutting



TYPE 41



DIA(mm)	TxB(mm)	SPECIFICATION	PK QTY	ARTICLE NO.	BARCODE
100	2,5x16,0	A 24 R-BF41	25	66252920432*	8711479389115
115	2,0x22,23	A 24 R-BF41	25	66252920430	8711479389078
115	3,2x22,23	A 24 R-BF41	25	66252920438	8711479389238
125	2,0x22,23	A 24 R-BF41	25	66252920431	8711479389092
125	3,2x22,23	A 24 R-BF41	25	66252920439	8711479389252
150	2,5x22,23	A 24 R-BF41	25	66252920435*	8711479389177
180	3,2x22,23	A 24 R-BF41	25	66252920440	8711479389276
230	2,5x22,23	A 24 R-BF41	25	66252925643	8711479425035
230	3,2x22,23	A 24 R-BF41	25	66252920441	8711479389290

FOR STEEL 80 m/s CHOP SAWS

- Quick cool cutting
- Burn and burr free results



TYPE 41



DIA(mm)	TxB(mm)	SPECIFICATION	PK QTY	ARTICLE NO.	BARCODE
300	2,8x25,4	A 24 R-BF41	10	66252920471	8711479389979
350	3,0x25,4	A 24 R-BF41	10	66252920472	8711479389993
400	3,0x25,4	A 24 R-BF41	10	66252920473*	8711479390012

*MTO

CUTTING DISCS

FOR STEEL 80 m/s PETROL SAWS

- Quick cool cutting
- Burn and burr free results



TYPE 41



DIA(mm)	TxB(mm)	SPECIFICATION	PK QTY	ARTICLE NO.	BARCODE
300	3,5x20,0	A 24 R-BF41	10	66252920467	8711479389894
300	3,5x22,23	A 24 R-BF41	10	66252920468*	8711479389917

FOR STEEL 100 m/s FIXED SAWS

- Quick cool cutting
- Burn and burr free results



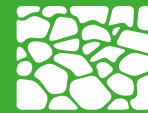
TYPE 41



DIA(mm)	TxB(mm)	SPECIFICATION	PK QTY	ARTICLE NO.	BARCODE
300	3,5x25,4	A 24 R-BF41	10	66252920474*	8711479390036
350	3,5x25,4	A 24 R-BF41	10	66252920475*	8711479390050

FOR STONE

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



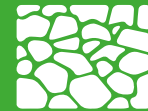
TYPE 41



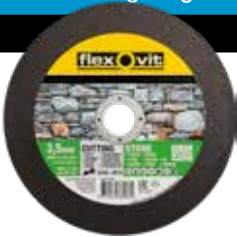
DIA(mm)	TxB(mm)	SPECIFICATION	PK QTY	ARTICLE NO.	BARCODE
100	2,5x16,0	C 24 R-BF41	25	66252920452*	8711479389566
115	2,5x22,23	C 24 R-BF41	25	66252920453	8711479389580
125	2,5x22,23	C 24 R-BF41	25	66252920454	8711479389603
150	2,5x22,23	C 24 R-BF41	25	66252920455*	8711479389627
180	2,5x22,23	C 24 R-BF41	25	66252920456*	8711479389641
230	2,5x22,23	C 24 R-BF41	25	66252920457	8711479389665

FOR STONE 80 m/s PETROL SAWS

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



TYPE 41



DIA(mm)	TxB(mm)	SPECIFICATION	PK QTY	ARTICLE NO.	BARCODE
300	3,5x20,0	C 24 R-BF41	10	66252920469*	8711479389931
300	3,5x22,23	C 24 R-BF41	10	66252920470*	8711479389955

*MTO

TYPE 42



FOR STEEL/INOX

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



TYPE 42



DIA(mm)	TxB(mm)	SPECIFICATION	PK QTY	ARTICLE NO.	BARCODE
100	3,2x16,0	A 24 S-BF42 Pro	25	66252924041	8711479417832
115	3,2x22,23	A 24 S-BF42 Pro	25	66252920413*	8711479388729
125	3,2x22,23	A 24 S-BF42 Pro	25	66252920414	8711479388743
180	3,2x22,23	A 24 S-BF42 Pro	25	66252920415	8711479388767
230	3,2x22,23	A 24 S-BF42 Pro	25	66252920416*	8711479388781

FOR STEEL

- Comfortable and easy to use
- Straight clean cutting



TYPE 42



DIA(mm)	TxB(mm)	SPECIFICATION	PK QTY	ARTICLE NO.	BARCODE
115	2,5x22,23	A 24 R-BF42	25	66252920433	8711479389139
115	3,2x22,23	A 24 R-BF42	25	66252920442	8711479389313
125	2,5x22,23	A 24 R-BF42	25	66252920434	8711479389153
125	3,2x22,23	A 24 R-BF42	25	66252920443	8711479389337
180	2,5x22,23	A 24 R-BF42	25	66252920436*	8711479389191
180	3,2x22,23	A 24 R-BF42	25	66252920444*	8711479389351
230	2,5x22,23	A 24 R-BF42	25	66252920437	8711479389214
230	3,2x22,23	A 24 R-BF42	25	66252920445*	8711479389375

FOR STONE

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



TYPE 42



DIA(mm)	TxB(mm)	SPECIFICATION	PK QTY	ARTICLE NO.	BARCODE
115	3,2x22,23	C 24 R-BF42	25	66252920458	8711479389689
125	3,2x22,23	C 24 R-BF42	25	66252920459	8711479389702
180	3,2x22,23	C 24 R-BF42	25	66252920460*	8711479389726
230	3,2x22,23	C 24 R-BF42	25	66252920461	8711479389740

*MTO

CUTTING DISCS & GRINDING WHEELS

GRINDING WHEELS



FOR STEEL/INOX

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



TYPE 27



DIA(mm)	TxB(mm)	SPECIFICATION	PK QTY	ARTICLE NO.	BARCODE
100	6,5x16,0	A 24 S-BF27 Pro	10	66252924042*	8711479417849
115	6,5x22,23	A 24 S-BF27 Pro	10	66252920417	8711479388804
125	6,5x22,23	A 24 S-BF27 Pro	10	66252920418	8711479388828
180	6,5x22,23	A 24 S-BF27 Pro	10	66252920419	8711479388842
230	6,5x22,23	A 24 S-BF27 Pro	10	66252920420	8711479388866

FOR STEEL

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



TYPE 27



DIA(mm)	TxB(mm)	SPECIFICATION	PK QTY	ARTICLE NO.	BARCODE
100	6,5x16,0	A 24 R-BF27	10	66252920446*	8711479389399
115	6,5x22,23	A 24 R-BF27	10	66252920447	8711479389412
125	6,5x22,23	A 24 R-BF27	10	66252920448	8711479389436
150	6,5x22,23	A 24 R-BF27	10	66252920449*	8711479389450
180	6,5x22,23	A 24 R-BF27	10	66252920450	8711479389474
230	6,5x22,23	A 24 R-BF27	10	66252920451	8711479389542

FOR STONE

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



TYPE 27



DIA(mm)	TxB(mm)	SPECIFICATION	PK QTY	ARTICLE NO.	BARCODE
100	6,5x16,0	C 24 R-BF27	10	66252920462*	8711479389764
115	6,5x22,23	C 24 R-BF27	10	66252920463	8711479389788
125	6,5x22,23	C 24 R-BF27	10	66252920464	8711479389801
180	6,5x22,23	C 24 R-BF27	10	66252920465*	8711479389825
230	6,5x22,23	C 24 R-BF27	10	66252920466*	8711479389849

*MTO

BONDED ABRASIVES



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VITRIFIED BENCH WHEELS	25

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.

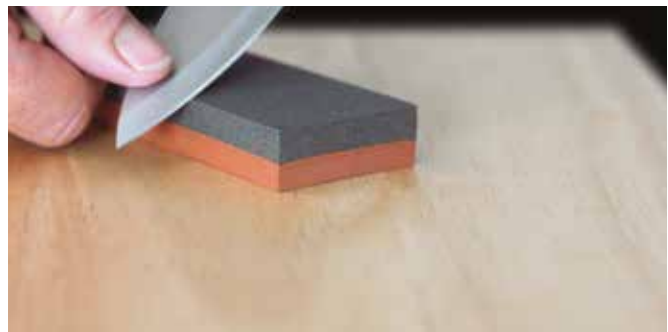
Flexovit vitrified bench wheels and sharpening stones are manufactured from pink and white aluminium oxide which are friable free cutting abrasives that require minimal grinding pressure. They are ideal for grinding high alloyed types of steel as they are more brittle than other types of aluminium oxide.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



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 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.

UNDERSTANDING THE PRODUCT

Constant brand colour & Flexovit logo on all packs

Main identifying image – what the product is used for

Window exposing product

Technical information box



Usage information

Safety symbols & Safety and Quality Certification

BONDED ABRASIVES

SHARPENING STONES



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	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
125x50x19	Coarse / Fine	1	10	66243439333	3157625561915

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	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
240x35x13	Fine	1	10	66243440255	3157625561922

KNIFE SHARPENING



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

PK QTY	CASE QTY	ARTICLE NO.	BARCODE
1	12	66243444047	3157625566668

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) HxWxT	GRIT	APPLICATION	Max rpm / m/s	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
150x20x32	60	Precision Grinding	4459 rpm or 35 m/s	1	1	66243439317	3157625561762

COATED ABRASIVES



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SANDING BELTS	46
SANDING BLOCK KITS AND SPONGES	48

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

Constant brand colour & Flexovit logo on all packs

PRO logo where relevant

Main identifying image – what the product is used for

Window exposing product

Technical information box

Substrates product can be used on



DIFFERENTIATION WITHIN THE RANGE

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



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 2 types; standard 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.



COATED ABRASIVES

HAND SANDING SHEETS

HAND SANDING SHEETS



GLASS PAPER SHEETS

- Economy paper sheets
- Suitable for hand use



PREPACK



DIMENSIONS (mm) WxL	GRADE	PK QTY	CASE QTY	ARTICLE NO.	BARCODE	
230x280	Fine	4	50	63642526249	3157625529861	
230x280	Medium	4	50	63642526259	3157625529892	
230x280	Coarse	4	50	63642526292	3157625529908	
230x280	Assorted	1x coarse 2x medium 1x fine	4	50	63642526485	3157625530843

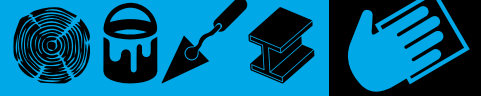
SEMI BULK



DIMENSIONS (mm) WxL	GRADE	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
230x280	00	25	5	63642558231	5010352582319
230x280	1	25	5	63642558233	5010352582333
230x280	1.5	25	5	63642558234	5010352582340
230x280	F2	25	5	63642558235	5010352582357
230x280	M2	25	5	63642558236	5010352582364
230x280	S2	25	5	63642558237	5010352582371
230x280	2.5	25	5	63642558238	5010352582388

GENERAL PURPOSE SHEETS

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



PREPACK



DIMENSIONS (mm) WxL	GRADE	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
230x280	Fine	120	3	25	63642526254	3157625529885
230x280	Medium	80	3	25	63642526251	3157625529878
230x280	Coarse	50	3	25	63642526238	3157625529854



PRO SMOOTH FINISH FINISHING PAPER SHEETS

- Stearate coating reduces clogging
- Ideal for fine finishing and between coats sanding
- Ideal to achieve a very smooth surface



PREPACK

DIMENSIONS (mm) WxL	GRADE	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
230x280	Fine	240	3	25	63642526300	3157625529946
230x280	Medium	180	3	25	63642526299	3157625529939
230x280	Coarse	120	3	25	63642526294	3157625529915
230x280	Extra Coarse	80	3	25	63642526296	3157625529922

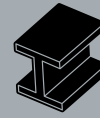
COATED ABRASIVES

HAND SANDING SHEETS



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	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
230x280	Fine		3	15	63642526306	3157625530003
230x280	Medium		3	15	63642526304	3157625529991
230x280	Coarse		3	15	63642526308	3157625530027
230x280	Assorted	1x coarse 1x medium 1x fine	3	15	63642526493	3157625530881

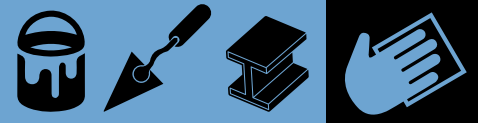
SEMI BULK



DIMENSIONS (mm) WxL	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
230x280	150	25	5	63642558253	5010352582531
230x280	120	25	5	63642558252	5010352582524
230x280	100	25	5	63642558251	5010352582517
230x280	80	25	5	63642558250	5010352582500
230x280	60	25	5	63642558249	5010352582494
230x280	40	25	5	63642558248	5010352582487

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	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
230x280	Fine	400	3	25	63642526303	3157625529984
230x280	Medium	240	3	25	63642526302	3157625529977
230x280	Coarse	180	3	25	63642526301	3157625529953
230x280	Assorted	1x coarse 1x medium 1x fine	3	25	63642526491	3157625530874

SEMI BULK



DIMENSIONS (mm) WxL	GRADE	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
230x280	1500	25	5	66254482065	3157629298527
230x280	1200	25	5	66254471694	3157629280195
230x280	1000	25	5	63642558246	5010352582463
230x280	800	25	5	63642558245	5010352582456
230x280	600	25	5	63642558244	5010352582449
230x280	400	25	5	63642558243	5010352582432
230x280	320	25	5	63642558242	5010352582425
230x280	240	25	5	63642558241	5010352582418
230x280	180	25	5	66254471693	3157629280188
230x280	150	25	5	63642558240	5010352582401
230x280	80	25	5	66254471692	3157629280171

COATED ABRASIVES

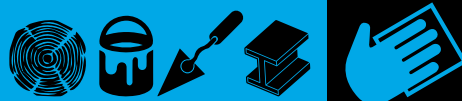
SANDING ROLLS

SANDING ROLLS



GENERAL PURPOSE ROLLS

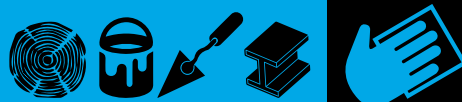
- General Purpose Aluminium Oxide for use on a variety of surfaces
- Suitable for hand or power tool use



DIMENSIONS (mm x m) WxL	GRADE	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
115x5	Fine	180	1	6	63642526413	3157625530522
	Medium	120	1	6	63642526412	3157625530515
	Coarse	80	1	6	63642526411	3157625530508

TRADE PERFORMANCE ROLLS

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

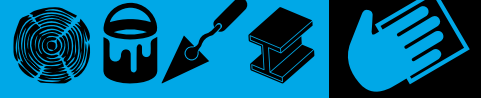


DIMENSIONS (mm x m) WxL	GRADE	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
115x5	Fine	120	1	10	66261104026	3157629645642
	Medium	80	1	10	66261104022	3157629645635
	Coarse	60	1	10	66261104056	3157629645710
	Extra Coarse	40	1	10	66261104021	3157629645628
115x10	Fine	120	1	10	66261104030	3157629645680
	Medium	80	1	10	66261104029	3157629645673
	Coarse	60	1	10	66261104028	3157629645666
	Extra Coarse	40	1	10	66261104027	3157629645659
115x50	Fine	120	1	1	66261104020	3157629645611
	Medium	80	1	1	66261104019	3157629645604
	Coarse	60	1	1	66261104018	3157629645598
	Extra Coarse	40	1	1	66261104017	3157629645581



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) WxL	GRADE	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
115x5	Fine	120	1	6	63642526430	3157625530614
	Medium	80	1	6	63642526429	3157625530607
	Coarse	60	1	6	63642526423	3157625530591
	Extra Coarse	40	1	6	63642526421	3157625530584
115x10	Fine	120	1	10	66623313232	3157629381496
	Medium	80	1	10	66623313229	3157629381489
	Coarse	60	1	10	66623313228	3157629381472
115x50	Fine	120	1	1	66254494136	8711479565359
	Medium	80	1	1	66254494135	8711479565342
	Coarse	60	1	1	66254494133	8711479565335
	Extra Coarse	40	1	1	66254494287	8711479565434

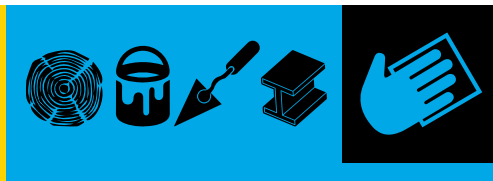
COATED ABRASIVES

SANDING ROLLS



FINISHING PAPER ROLLS

- Ideal for fine finishing and between coats sanding
- Stearate coating reduces clogging
- Ideal to achieve a very smooth surface



DIMENSIONS (mm) WxL	GRADE	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
115x5	Medium	240	1	6	63642526417	3157625530553
	Coarse	180	1	6	63642526416	3157625530546
	Extra Coarse	120	1	1	63642526415	3157625530539

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	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
	93x185	Fine	120	6	5	69957389801	8711479421327
		Medium	80	6	5	69957389800	8711479421303
		Coarse	60	6	5	69957389786	8711479421167
Machine Brand: BLACK & DECKER, PEUGEOT							
	93x185	Medium	120	6	5	63642526345	3157625530218
		Medium	80	6	5	63642526344	3157625530201
		Coarse	60	6	5	63642526342	3157625530195
Machine Brand: BLACK & DECKER, PEUGEOT							
	102x114	Fine	120	5	10	63642505155	3157629588765
		Medium	80	5	10	63642505154	3157629588758
		Coarse	60	5	10	63642505153	3157629588741
		Assorted	2x60 2x80 2x120	6	10	63642518998	3157629593134
Machine Brand: AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, CASALS, FESTO, HITACHI, MAKITA, METABO, PEUGEOT, RHINO, RYOBI, SKIL, STAYER							
	115x230	Fine	120	5	10	63642505152	3157629588734
		Medium	80	5	10	63642505151	3157629588727
		Coarse	60	5	10	63642505149	3157629588710
Machine Brand: AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, CASALS, FESTO, HITACHI, MAKITA, METABO, PEUGEOT, RHINO, RYOBI, SKIL, STAYER							

COATED ABRASIVES

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	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
93x230	Extra Fine	180	10	10	69957389767	3157625667129
	Fine	120	10	10	63642526321	3157625530089
	Medium	80	10	10	63642526320	3157625530072
	Coarse	60	10	10	63642526314	3157625530065
Machine Brand: AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, CASALS, FESTO, HITACHI, MAKITA, METABO, PEUGEOT, RHINO, RYOBI, SKIL, STAYER						
93x230	Fine	120	10	10	63642526336	3157625530157
	Medium	80	10	10	63642526335	3157625530133
	Coarse	60	10	10	63642526330	3157625530126
Machine Brand: BLACK & DECKER, BOSCH, CASALS, FESTO, MAKITA, METABO, RYOBI, SKIL						
93x230	Fine	120	10	10	63642526341	3157625530188
	Medium	80	10	10	63642526340	3157625530171
	Coarse	60	10	10	63642526337	3157625530164
Machine Brand: AEG/ATLAS COPCO, BLACK & DECKER, CASALS, PEUGEOT, RHINO, STAYER						
115x280	Fine	120	10	10	63642526328	3157625530119
	Medium	80	10	10	63642526327	3157625530102
	Coarse	60	10	10	63642526326	3157625530096
Machine Brand: AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, CASALS, FESTO, HITACHI, MAKITA, METABO, PEUGEOT, RHINO, RYOBI, SKIL, STAYER						
115x280	Fine	120	10	10	63642526500	3157625530928
	Medium	80	10	10	63642526499	3157625530911
	Coarse	60	10	10	63642526498	3157625530904
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	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
93x230	Assorted	5x60 10x80 10x120	25	10	63642526604	3157625538054
Machine Brand: AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, CASALS, FESTO, HITACHI, MAKITA, METABO, PEUGEOT, RHINO, RYOBI, SKIL, STAYER						
93x230	Assorted	5x60 10x80 10x120	25	10	63642526614	3157625538139
Machine Brand: BLACK & DECKER, BOSCH, CASALS, FESTO, MAKITA, METABO, RYOBI, SKIL						
115x280	Assorted	5x60 10x80 10x120	25	10	63642526608	3157625538092
Machine Brand: AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, CASALS, FESTO, HITACHI, MAKITA, METABO, PEUGEOT, RHINO, RYOBI, SKIL, STAYER						
115x280	Assorted	5x60 10x80 10x120	25	10	63642526639	3157625538221
Machine Brand: AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, CASALS, FESTO, HITACHI, MAKITA, METABO, PEUGEOT, RHINO, RYOBI, SKIL, STAYER						

COATED ABRASIVES

SANDING DISCS

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	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
115 	Fine	120	6	10	63642526386	3157625530324
	Medium	80	6	10	63642526385	3157625530317
	Coarse	60	6	10	63642526384	3157625530294
	Assorted	2x60 2x80 2x120	6	10	63642526501	3157625530935
Machine Brand: BOSCH, EINHELL, KRESS, PEUGEOT, RYOBI, SKIL						
125 	Very Fine	180	6	10	69957389890	8711479422256
	Fine	120	6	10	63642526392	3157625530355
	Medium	80	6	10	63642526390	3157625530348
	Coarse	60	6	10	63642526387	3157625530331
Assorted	2x60 2x80 2x120	6	10	63642526502	3157625530942	
Machine Brand: AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, DEWALT, ELU, FEIN, FESTO, HITACHI, KRESS, MAKITA, METABO, RYOBI, SKIL						
150 	Fine	120	6	10	63642526397	3157625530386
	Medium	80	6	10	63642526396	3157625530379
	Coarse	60	6	10	63642526394	3157625530362
	Assorted	2x60 2x80 2x120	6	10	63642526503	3157625530959
Machine Brand: BOSCH, DEWALT, ELU, FELISATTI, FLEX, HITACHI, IBREX PRO TOOL, KRESS, METABO, PEUGEOT, STAYER						

TRADE PACK



DIAMETER (mm)	GRADE	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
125	Fine	120	15	12	63642526709	3157625538399
	Medium	80	15	12	63642526708	3157625538382
	Coarse	60	15	12	63642526707	3157625538375
	Assorted	5x60 10x80 10x120	25	8	63642526710	3157625538405
Machine Brand: AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, DEWALT, ELU, FEIN, FESTO, HITACHI, KRESS, MAKITA, METABO, RYOBI, SKIL						
150	Assorted	5x60 10x80 10x120	25	8	63642526714	3157625538443

Machine Brand: BOSCH, DEWALT, ELU, FELISATTI, FLEX, HITACHI, IBREX PRO TOOL, KRESS, METABO, PEUGEOT, STAYER

COATED ABRASIVES

SANDING DISCS

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	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
115	Fine	80	3	5	63642527535	3157625554535
	Medium	50	3	5	63642527534	3157625554528
	Coarse	36	3	5	63642527531	3157625554498
125	Fine	80	3	5	63642527538	3157625554566
	Medium	50	3	5	63642527537	3157625554559
	Coarse	36	3	5	63642527536	3157625554542

TRADE PACK



DIAMETER (mm)	GRADE	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
115	Fine	80	10	10	63642527562	3157625554269
	Medium	50	10	10	63642527561	3157625554252
	Coarse	36	10	10	63642527550	3157625554245
125	Medium	50	10	10	63642527564	3157625554283
	Coarse	36	10	10	63642527563	3157625554276

BACKING PADS FOR FIBRE AND SEMI FLEXIBLE DISCS



PREPACK

DIMENSIONS (mm) Dx B	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
115x22	1	5	63642556835	3157625568365
125x22	1	5	63642556838	3157625568372

BACKING PAD FOR DRILL MOUNTABLE DISCS



PREPACK

DIMENSIONS (mm) Dx B	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
115x22	1	5	63642556833	3157625568358

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

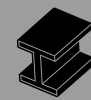


DIAMETER (mm)	GRADE	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
115	Medium	80	1	10	63642527526	3157625554467
	Coarse	40	1	10	63642527525	3157625554443
125	Medium	80	1	10	63642527530	3157625554481
	Coarse	40	1	10	63642527528	3157625554474



FLAP DISCS

- Ideal for sanding contoured metal surfaces
- Extremely tough and durable fibreglass backing for longer life
- Ideal for blending welds, deburring and finishing castings



PREPACK



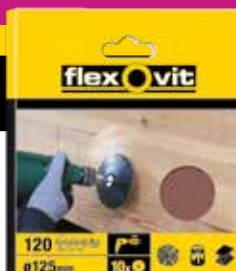
DIAMETER (mm)	GRADE	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
115	Fine	80	1	10	66254496407	3157629341346
	Medium	60	1	10	66254495778	3157629341339
	Coarse	40	1	10	66254495777	3157629341322
125	Fine	80	1	10	66254496414	3157629388716
	Medium	60	1	10	66254496412	3157629388709
	Coarse	40	1	10	66254496408	3157629388693

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	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
125	Fine	120	10	10	63642526383	3157625530287
	Medium	80	10	10	63642526382	3157625530263
	Coarse	60	10	10	63642526377	3157625530256

COATED ABRASIVES

MULTI SANDING SHEETS

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)

GRADE

GRIT

PK
QTY

CASE
QTY

ARTICLE NO.

BARCODE

94



Fine

120

6

5

63642526401

3157625530416

Medium

80

6

5

63642526400

3157625530409

Coarse

60

6

5

63642526398

3157625530393

Assorted

2x60

2x80

2x120

6

5

63642526505

3157625530966

Machine Brand: BOSCH, MAKITA, METABO

TRADE PACK



DIMENSIONS
(mm)

GRADE

GRIT

PK
QTY

CASE
QTY

ARTICLE NO.

BARCODE

94



Assorted

5x50

10x80

10x120

25

8

63642526721

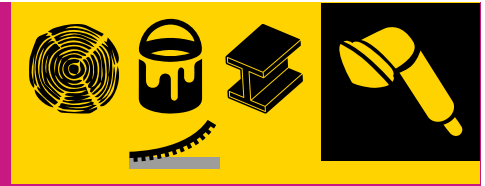
3157625538498

Machine Brand: BOSCH, MAKITA, METABO

QUICK RELEASE

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)	GRADE	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
95x134	Fine	120	6	5	63642526409	3157625530485
	Medium	80	6	5	63642526408	3157625530478
	Coarse	60	6	5	63642526407	3157625530461
	Assorted	2x60 2x80 2x120	6	5	63642526508	3157625530997

Machine Brand: BLACK & DECKER

102x152	Fine	120	6	5	63642596419	3157625717701
	Medium	80	6	5	63642596418	3157625717695
	Coarse	60	6	5	63642596395	3157625717688

Machine Brand: BOSCH, METABO

105x175	Fine	120	6	5	63642526405	3157625530454
	Medium	80	6	5	63642526404	3157625530447
	Coarse	60	6	5	63642526402	3157625530423
	Assorted	2x60 2x80 2x120	6	5	63642526506	3157625530973

Machine Brand: BLACK & DECKER

105x150	Extra Fine	180	6	5	66261155363	3157629743287
	Fine	120	6	5	66261155370	3157629743294
	Medium	80	6	5	66261155361	3157629743270

Machine Brand: RYOBI

105x175	Extra Fine	180	6	5	66261155383	3157629744321
	Fine	120	6	5	66261155381	3157629743300
	Medium	80	6	5	66261155382	3157629743317

Machine Brand: RYOBI

COATED ABRASIVES

SANDING BELTS

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	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
75x457	Fine	120	2	5	63642526464	3157625530737
	Medium	80	2	5	63642526463	3157625530713
	Coarse	50	2	5	63642526461	3157625530706
Machine Brand: BLACK & DECKER, MAKITA, METABO, PEUGEOT, SKIL, STAYER, WEN						
75x533	Fine	120	2	5	63642526470	3157625530768
	Medium	80	2	5	63642526469	3157625530751
	Coarse	50	2	5	63642526466	3157625530744
Machine Brand: AEG/ATLAS COPCO, BLACK & DECKER, BOSCH, CASALS, DEWALT, FREUD, HITACHI, HOLZ HER, MAKITA, METABO, PEUGEOT, PORTER CABLE, RHINO, ROCKWELL, RYOBI, SKIL, STANLEY						
100x610	Fine	120	2	5	63642526479	3157625530829
	Medium	80	2	5	63642526478	3157625530812
	Coarse	50	2	5	63642526477	3157625530805
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)	GRADE	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
13x454	Fine	120	4	10	63642526460	3157625530683
	Medium	80	4	10	63642526439	3157625530676
	Coarse	50	4	10	63642526438	3157625530669

Machine Brand: BLACK & DECKER

COATED ABRASIVES

SANDING BLOCK KITS & SPONGES

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	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
100x68,5x26	Fine/Medium	1	20	63642556852	3157625568419
	Medium/Coarse	1	20	63642556853	3157625568426

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	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
126x72x26	Fine/Medium	1	10	63642556855	3157625568433

SANDING BLOCK KITS

QUICK RELEASE

- 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) HxWxT	GRADE	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
70x125	Assorted	1x50 1x80 1x120	1 block + 3 sheets	5	63642556830	3157625568341

TRADE PACK



DIAMETER (mm)	GRADE	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
70x125	Assorted	5x50 5x80 5x120	1 block + 15 sheets	10	63642557513	3157625569508

SANDING BLOCK KIT REFILL

QUICK RELEASE

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



PREPACK



DIMENSIONS (mm)	GRADE	GRIT	PK QTY	CASE QTY	ARTICLE NO.	BARCODE
70x125	Fine	120	6	10	63642526349	3157625530249
	Medium	80	6	10	63642526348	3157625530232
	Coarse	60	6	10	63642526346	3157625530225

DIAMOND BLADES



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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

Constant brand colour & Flexovit logo on all packs

Window exposing product

PRO logo where relevant

Main identifying image – what the product is used for

Safety symbols

Technical information box

Substrates product can be used on



DIFFERENTIATION WITHIN THE RANGE

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



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.

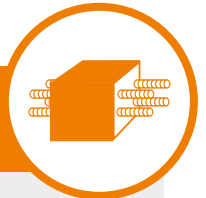
TO AID PRODUCT SELECTION THE APPLICATION MATERIALS HAVE BEEN CLASSIFIED INTO FOUR MAIN AREAS, EACH WITH A UNIQUE COLOUR CODING.

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.

DIAMOND BLADES

BUILDING MATERIALS – GENERAL PURPOSE



SEGMENTED SINTERED

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



DIM. (mm) DxHxTxB	PRODUCT NAME	PK QTY	ARTICLE NO.	BARCODE
115x10x2x22,23	SR 115 PRO	1	70184622072	5450248232100
125x10x2,1x22,23	SR 125 PRO	1	70184622073	5450248232117
230x10x2,5x22,23	SR 230 PRO	1	70184622074	5450248232124

SEGMENTED SINTERED

- Economy product
- For cutting general purpose building materials



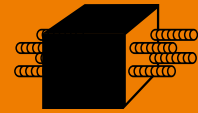
DIM. (mm) DxHxTxB	PRODUCT NAME	PK QTY	ARTICLE NO.	BARCODE
115x7x2x22,23	SR 115	1	70184622068	5450248232063
125x7x2,1x22,23	SR 125	1	70184622069	5450248232070
180x7x2,4x22,23	SR 180	1	70184622070	5450248232087
230x7x2,5x22,23	SR 230	1	70184622071	5450248232094

CONCRETE & REINFORCED CONCRETE



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



LASER



DIM. (mm)
DxHxTxB

PRODUCT NAME

PK QTY

ARTICLE NO.

BARCODE

230x10x2,5x22,23

SR 230 LASER PRO

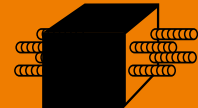
1

70184622065

5450248232032

SEGMENTED LASER WELDED

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



LASER



DIM. (mm)
DxHxTxB

PRODUCT NAME

PK QTY

ARTICLE NO.

BARCODE

115x7x2,2x22,23

SR 115 LASER

1

70184622062

5450248232001

125x7x2,2x22,23

SR 125 LASER

1

70184622063

5450248232018

230x7x2,5x22,23

SR 230 LASER

1

70184622064

5450248232025

DIAMOND BLADES

CERAMIC & STONE TILES



CORRUGATED RIM THIN CUT SINTERED

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



DIM. (mm) DxHxTxB	PRODUCT NAME	PK QTY	ARTICLE NO.	BARCODE
115x7x1,4x22,23 - Ultra Thin 1,4mm	CR 115 PRO	1	70184622054	5450248231936
125x7x1,4x22,23 - Ultra Thin 1,4mm	CR 125 PRO	1	70184622055	5450248231943

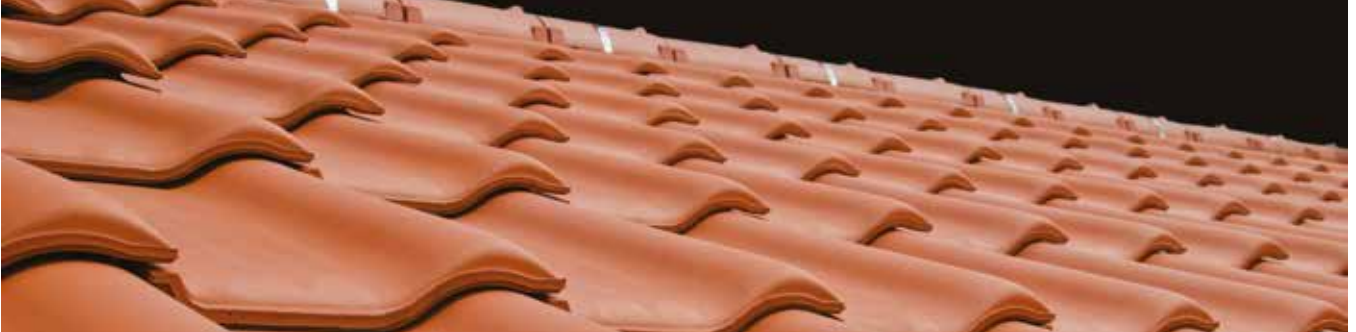
CONTINUOUS RIM SINTERED

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



DIM. (mm) DxHxTxB	PRODUCT NAME	PK QTY	ARTICLE NO.	BARCODE
115x5x1,8x22,23	CR 115	1	70184622050	5450248231899
125x5x1,8x22,23	CR 125	1	70184622051	5450248231905
180x5x1,8x25,4/22,23	CR 180	1	70184622053	5450248231929
230x5x1,8x22,23	CR 230	1	70184622052	5450248231912

ROOF TILES, GRANITE & HARD MATERIALS



CONTINUOUS RIM TURBO SINTERED

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



DIM. (mm) DxHxTxB	PRODUCT NAME	PK QTY	ARTICLE NO.	BARCODE
115x10x2,1x22,23	CR 115 TURBO PRO	1	70184622059	5450248231981
230x10x2,6x22,23	CR 230 TURBO PRO	1	70184622060	5450248231998

CONTINUOUS RIM TURBO SINTERED

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



DIM. (mm) DxHxTxB	PRODUCT NAME	PK QTY	ARTICLE NO.	BARCODE
115x7x2,1x22,23	CR 115 TURBO	1	70184622056	5450248231950
125x7x2,1x22,23	CR 125 TURBO	1	70184622057	5450248231967
230x7x2,6x22,23	CR 180 TURBO	1	70184622058	5450248231974

DIAMOND BLADES

CUP WHEEL

- Double row grinding cup for fast material removal on all building materials, concrete and natural stone



DIM. (mm)
DxHxTxB

PRODUCT NAME

PK QTY

ARTICLE NO.

BARCODE

100x22,23

FLEXOM MR 100

1

70184622076

5450248231950

125x22,23

FLEXOM MR 125

1

70184622077

5450248231967

ACCESSORIES



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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 range of steel wire brushes for use with electric drills. 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.

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.

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.

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.

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.

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 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.

ACCESSORIES

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)	PK QTY	PACKS PER CASE	ARTICLE NO.	BARCODE
75x6 (spindle)	Coarse	4500	1	10	63642556882	3157625568556
100x6 (spindle)	Coarse	4500	1	10	63642556883	3157625568563

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)	PK QTY	PACKS PER CASE	ARTICLE NO.	BARCODE
25x6 (spindle)	Coarse	4500	1	10	63642556889	3157625568617

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)	PK QTY	PACKS PER CASE	ARTICLE NO.	BARCODE
50x6 (spindle)	Coarse	4500	1	10	63642556885	3157625568587
75x6 (spindle)	Coarse	4500	1	10	63642556887	3157625568594

ACCESSORIES

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)	PK QTY	PACKS PER CASE	ARTICLE NO.	BARCODE
125	35	1	5	63642556858	3157625568464
150	35	1	5	63642556860	3157625568471

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)	PK QTY	PACKS PER CASE	ARTICLE NO.	BARCODE
125	1	5	63642556861	3157625568488

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)	PK QTY	PACKS PER CASE	ARTICLE NO.	BARCODE
125	1	5	63642556862	3157625568495

POLISHING COMPOUND BLOCKS

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



COLOUR	APPLICATION	PK QTY	PACKS PER CASE	ARTICLE NO.	BARCODE
Brown Polishing Compound Block	Cleaning dirt	1	5	63642556865	3157625568518
Green Polishing Compound Block	Providing a high gloss finish	1	5	63642556863	3157625568501

ACCESSORIES

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) DxB	PK QTY	PACKS PER CASE	ARTICLE NO.	BARCODE
115x22	1	5	63642556835	3157625568365
125x22	1	5	63642556838	3157625568372

BACKING PAD FOR DRILL MOUNTABLE DISCS



- 6mm spindle, for use with most electric drills



DIMENSIONS (mm) DxB	PK QTY	PACKS PER CASE	ARTICLE NO.	BARCODE
125x12x6 (spindle)	1	5	63642556833	3157625568358

ADAPTOR SHAFT



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

flexOvit



APPLICATION	PK QTY	PACKS PER CASE	ARTICLE NO.	BARCODE
Conventional drilling machines	1	5	63642556866	3157625568525

TECHNICAL INFORMATION



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TECHNICAL INFORMATION

CUTTING DISCS AND GRINDING WHEELS

CUTTING DISCS AND GRINDING WHEELS



GENERAL SAFETY

INSTRUCTIONS FOR USE

Cutting discs 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.

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.

CUTTING DISCS

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

SAFETY GUARDS

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

GRINDING WHEELS

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

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.

SAFETY MEASURES

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

SHELF LIFE OF CUTTING-OFF AND GRINDING WHEELS

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



MOUTH PROTECTION



WEAR GLOVES



EYE PROTECTION



EAR PROTECTION



READ INSTRUCTION



FOR SIDE GRINDING



NOT FOR GRINDING






DAMAGED WHEEL

TROUBLESHOOTING GUIDE

To get the best from Flexovit cutting discs 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 discs and grinding.

CUTTING DISCS:		
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 discs 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 discs 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

TECHNICAL INFORMATION

CUTTING DISCS AND GRINDING WHEELS

SAFETY ADVICE – DO'S AND DON'TS:

For your safety you should ensure that you are fully aware of how to safely use Cutting discs and grinding wheels.

- ✓ **DO** always handle and store wheels carefully. All cutting discs 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

BONDED ABRASIVES



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.

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.

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.

TECHNICAL INFORMATION

BONDED ABRASIVES

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

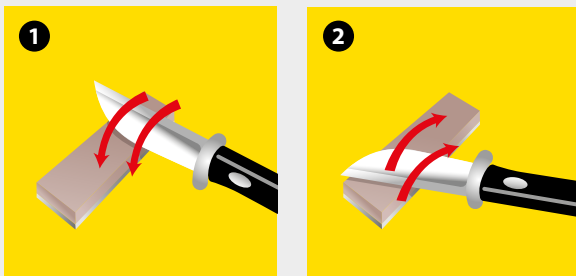
Flexovit mounted points have 6mm spindles which should only be used with 6mm collets. To prevent the spindle becoming loose in the collet or chuck do not use excessive pressure when grinding.

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 CURVED GENERAL TOOLS



STEP 1

Clamp tool handle in vice or hold by the handle.

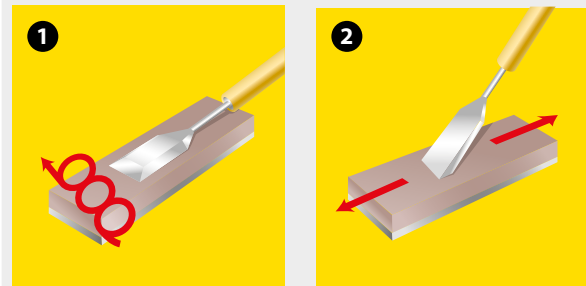
STEP 2

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.

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.

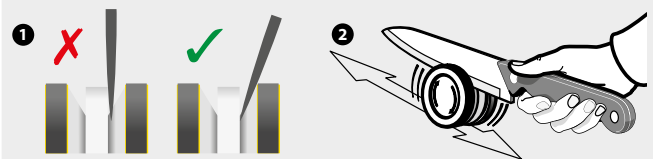
STEP 2

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.

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.

TECHNICAL INFORMATION

COATED ABRASIVES

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.

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.

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.

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.

TECHNICAL INFORMATION

DIAMOND BLADES

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

TECHNICAL INFORMATION

DIAMOND BLADES

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.

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

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