

BASE MATERIALS BAS
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Performance designed
Surface Conditioning Products
for Increased Productivity

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Abrasive Technologies

BASE MATERIALS CATALOG

ATERIALS

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A Company of the TYROLIT Group



Instructions for correctly using and storing Bibielle products

1) General information.

Abrasive products can break and therefore should be handled with great care. The use of damaged or incorrectly fit abrasives is dangerous and can cause serious damages to both operators and all persons present in the work area where the abrasive process is occurring.

2) Handling, transport and storage.

All abrasive products should be handled, used and carried with care. They should be stored in a dry place away from frost, heat, wet walls, doors or windows. They should be ideally stored at a temperature between 18° C and 22° C and at a relative humidity between 45% and 65%. The abrasive products should be stored in their original packages so as to avoid any mechanical damage.

3) How to select the right abrasive.

All information written on the label or on the abrasive, as well as any use restrictions, safety instructions and other kinds of precautions, should be read and respected. If heavy removal is required we recommend you select a coarser grit instead of increasing the operating pressure. Excessive pressure can reduce speed, increase temperature and put both the abrasive and the machine tool under excessive stress which could result in breakages. BIBIELLE after sales service, distributors and retailers is always at your disposal for any advice you might need on the most suitable product to be used in any given application.

4) Visual check.

All abrasive products should be visually checked before being fit. Damaged or out-of-date abrasives should never be used and should be destroyed.

5) How to fit and prepare the abrasive product.

All abrasive products should be fit following the instructions provided by BIBIELLE and the manufacturer of the machine tool on which the product is going to be used. All abrasive products should only be fit by competent, highly skilled and trained personnel. Once fit, every abrasive product should be subject to a rotation test for a reasonable period of time (never exceed the maximum operating speed recommended). Always read and follow the user manuals supplied by BIBIELLE.

6) Further information.

Besides reading the instructions given by BIBIELLE, we recommend you: 1) read the user manual of the grinder; 2) set up guards before operating the machine tool; 3) never start any grinding operation unless guards are set up; 4) use appropriate personal protection equipment according to the type of machine tool and application; for instance goggles or face masks, earplugs, dust masks, safety shoes, gloves and other protective clothing; 5) only use the abrasive product for the intended purposes (read and follow use restrictions, safety instructions as well as any other relevant information); 6) never use cut-off discs for grinding and removing applications. If a cutting operation is to be made using a portable machine tool, the wheel should be kept perpendicular to the cutting area; 7) switch off the motor and make sure that the abrasive product has come to a stop before laying the portable grinder on the work bench or on the floor; 8) the wheel fit on the portable machine tool should never be subject to force when brought into contact with the workpiece.

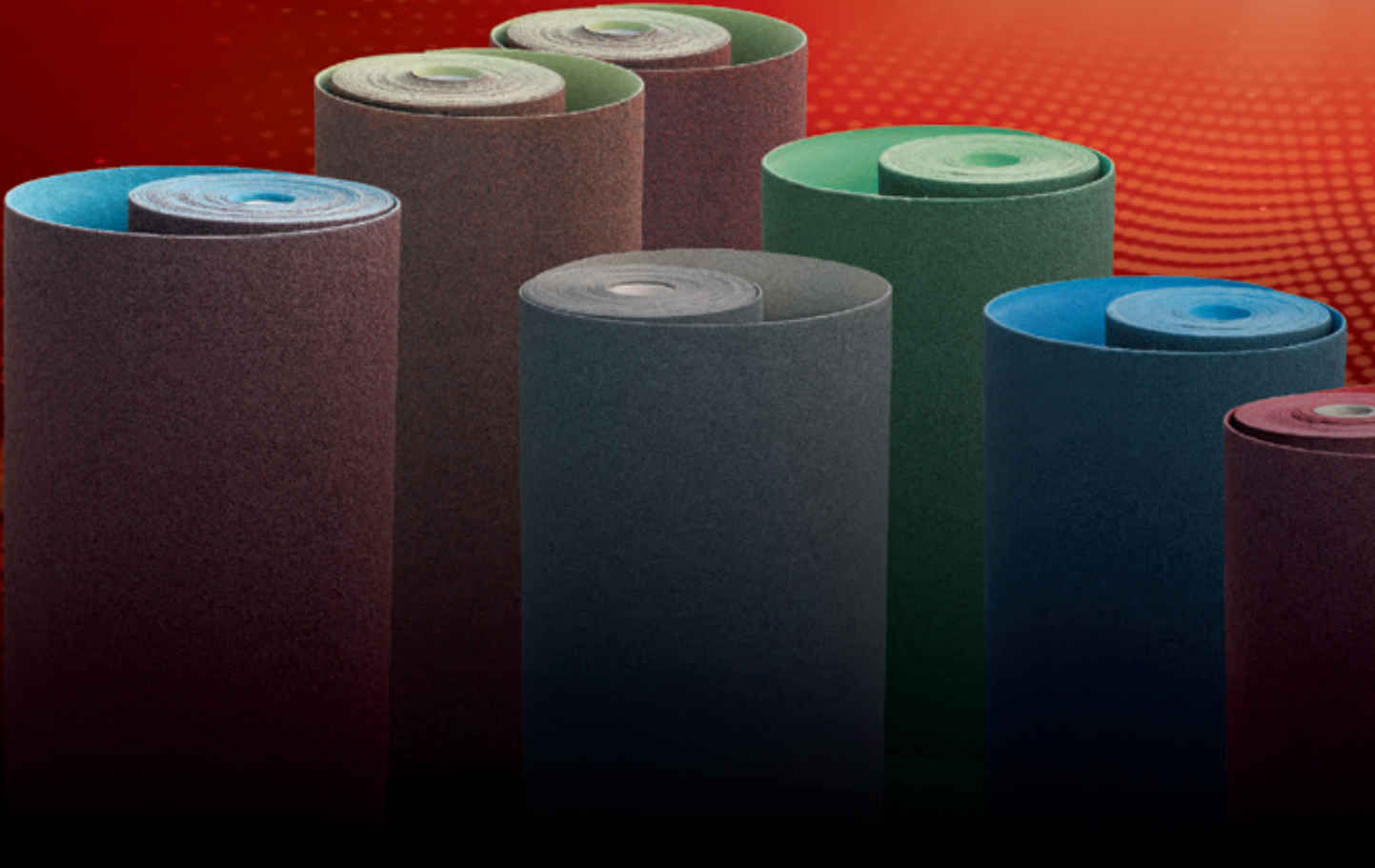


Base Materials

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Surface Conditioning Materials

Bibielle Surface Conditioning Material (SCM) has been designed to offer the highest quality available in terms of life, cutting ratio and finishing.

Bibielle SCM main benefits:

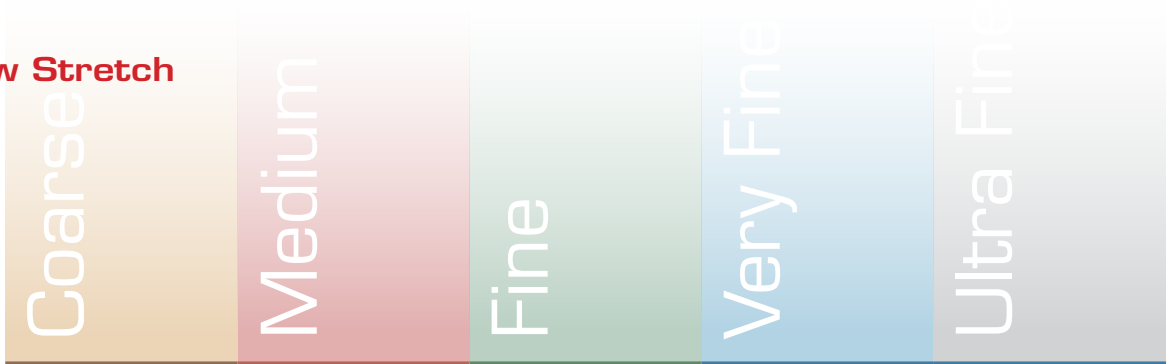
- Remove surface imperfections
- Generate the required finish in one operation
- Produce clean, smooth, burr-free surfaces
- Refine grind lines in fewer steps than coated abrasives
- Provide a unique combination of aggression, finish and life
- Give a consistent, repeatable finish
- Replace traditionally used products such as coated abrasives and wire brushes.

Work surfaces:

- stainless steel
- aluminium
- titanium
- nonferrous materials and alloys
- fiberglass and plastic

SCLS - Low Stretch

SCLS
Low Stretch



COARSE Front: Brown Back: Brown Grit type: Aluminium Oxide	MEDIUM Front: Red Back: Red Grit type: Aluminium Oxide	FINE Front: Green Back: Green Grit type: Aluminium Oxide	VERY FINE Front: Blue Back: Blue Grit type: Aluminium Oxide	ULTRA FINE Front: Grey Back: Grey Grit type: Silicon Carbide
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Dimensions	A/O COARSE <i>Brown</i>	A/O MEDIUM <i>Red</i>	A/O FINE <i>Green</i>	A/O VERY FINE <i>Blue</i>	S/C ULTRA FINE <i>Grey</i>
1 mt x 20,5 mt	SCLS81	SCLS82	SCLS80	SCLS83	SCLS84



SCXF - X-Flex

SCXF - X-Flex



COARSE Front: Brown Back: Green Grit type: Aluminium Oxide	MEDIUM Front: Red Back: Green Grit type: Aluminium Oxide	FINE Front: Green Back: Green Grit type: Aluminium Oxide	VERY FINE Front: Blue Back: Green Grit type: Aluminium Oxide
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Dimensions	A/O COARSE <i>Brown</i>	A/O MEDIUM <i>Red</i>	A/O FINE <i>Green</i>	A/O VERY FINE <i>Blue</i>
1 mt x 20,5 mt	SCXF88	SCXF89	SCXF79	SCXF90





SCSB – Scrim Back

SCSB
Scrim Back



COARSE

Front: **Brown**
Back: **Brown**
Grit type: **Aluminium Oxide**

MEDIUM

Front: **Red**
Back: **Red**
Grit type: **Aluminium Oxide**

FINE

Front: **Green**
Back: **Green**
Grit type: **Aluminium Oxide**

VERY FINE

Front: **Blue**
Back: **Blue**
Grit type: **Aluminium Oxide**

Dimensions	A/O COARSE <i>Brown</i>	A/O MEDIUM <i>Red</i>	A/O FINE <i>Green</i>	A/O VERY FINE <i>Blue</i>
1 mt x 20,5 mt	SCSB85	SCSB86	SCSB88	SCSB87



SCHD – Heavy Duty

SCHD
Heavy Duty



COARSE

Front: **Brown**
Back: **Blue**
Grit type: **Ceramic Aluminium Oxide**

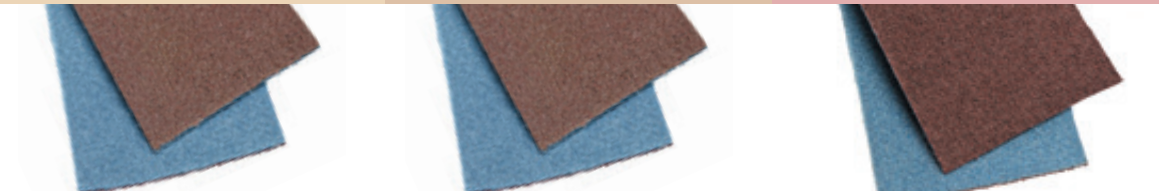
COARSE 63 (disc)

Front: **Brown**
Back: **Blue**
Grit type: **Ceramic Aluminium Oxide**

MEDIUM

Front: **Red**
Back: **Blue**
Grit type: **Ceramic Aluminium Oxide**

Dimensioni	A/O COARSE <i>Marrone</i>	A/O COARSE 63 <i>Marrone</i>	A/O MEDIUM <i>Rosso</i>
1 mt x 20,5 mt	SCHD91	SCHD63	SCHD92



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The Flex-Skill
best performing and durable

The Flex-Skill

best performing and durable



COARSE

Front: Brown
Back: Dark Grey
Grit type: Aluminium Oxide

MEDIUM

Front: Red
Back: Dark Grey
Grit type: Aluminium Oxide

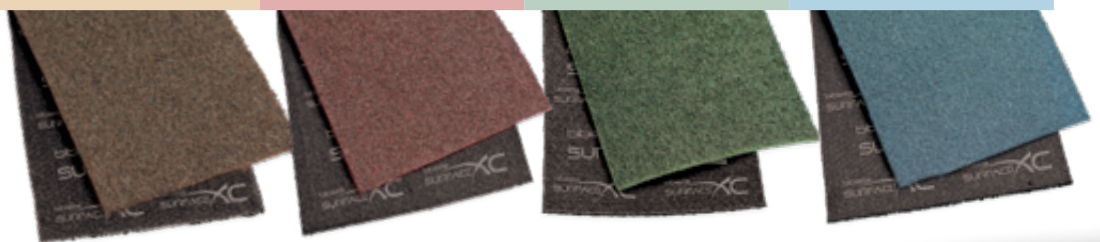
FINE

Front: Green
Back: Dark Grey
Grit type: Aluminium Oxide

VERY FINE

Front: Blue
Back: Dark Grey
Grit type: Aluminium Oxide

Dimensions	A/O COARSE Brown	A/O MEDIUM Red	A/O FINE Green	A/O VERY FINE Blue
1 mt x 20,5 mt	SCXC01	SCXC02	SCXC03	SCXC04



The new frontier of Surface Conditioning: maximum Flexibility, Stock Removal, Finishing and Durability!

*An extraordinary evolution in the panorama of three-dimensional abrasives: here comes the new **Bibielle XC Surface Conditioning**. The first material capable of combining the highest levels of finishing, flexibility and durability.*

The best performance ever imagined in the world of modern abrasives.



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Convolute & Unitized Materials

Bibielle offers an extensive range of **Convolute and Unitized Wheels** manufactured with the latest technology to provide best finishing combined with high tear resistance and long lifetime.

The **main applications** for these products are deburring, blending and finishing variety of materials such as all kind of metals, plastic and composite materials.

Some **fields of application** can be: design objects, surgical instruments, aircraft engines, components of turbines, boat stainless steel and metal parts, chemical and food processing tools and tanks, cutlery and jewellery, hand tools, threaded parts, jet blades and vanes.

Unitized and Convolute wheels are similar types of product, but with important differences: Unitized wheels tend to be smaller in diameter, usually 150 mm or less, making them ideal for use on portable power tools or for working on intricate shapes; Convolute wheels, being larger in diameter, usually 150 mm or over, are ideal for stationary or robotic machines.

All products are available in a number of different densities, grit types and grades.

CONVOLUTE LOGS

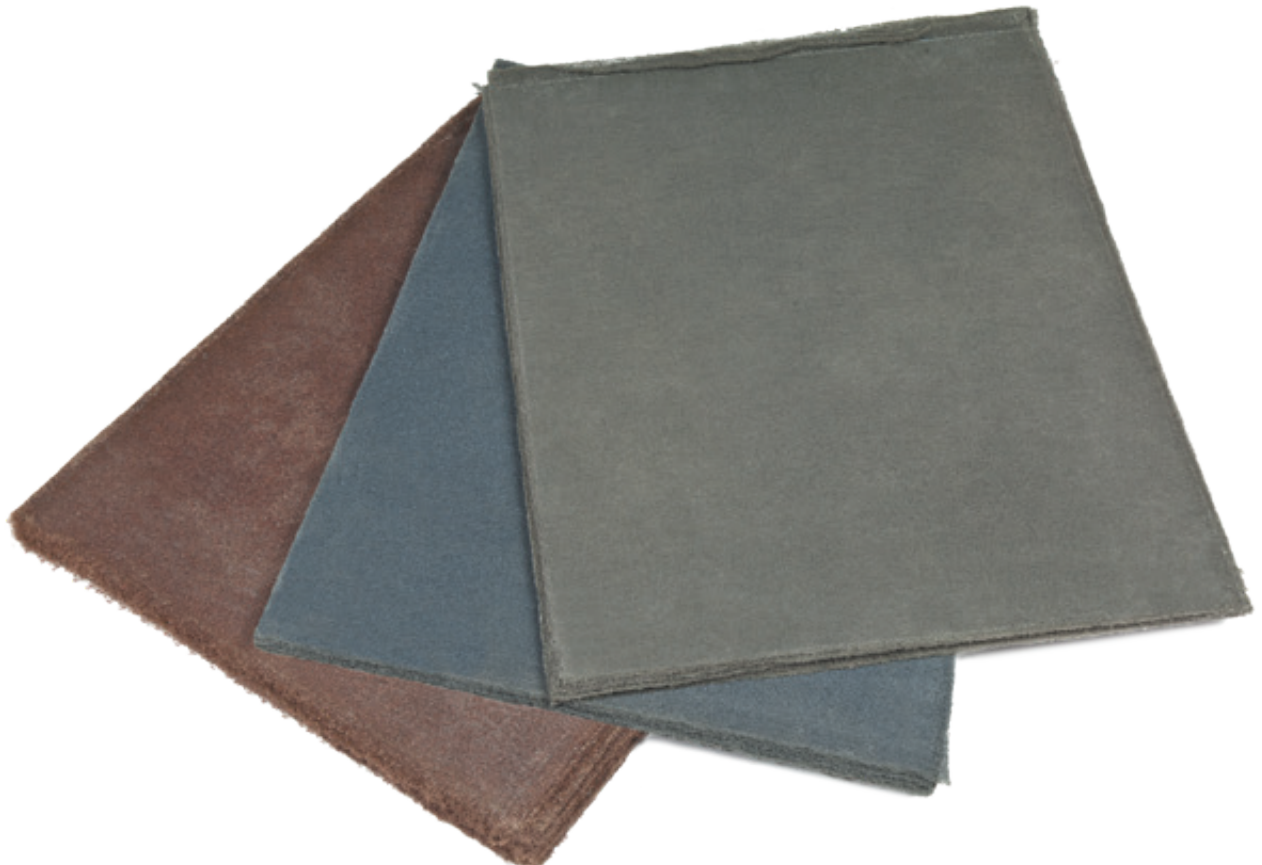
CONVOLUTE LOGS	7SF	7AM	8SF	8SF-R	9SF	9SF-R	5AM	2SC	2SM
Dimensions	7SF	8AM	8SF	8SF-R	9SF	9SF-R	5AM	2SC	2SM
152 x 580	BCR001	BCR003	BCR005	BCR007	BCR009	BCR011	BCR013	BCR015	BCR017
203 x 580	BCR002	BCR004	BCR006	BCR008	BCR010	BCR012	BCR014	BCR016	BCR018





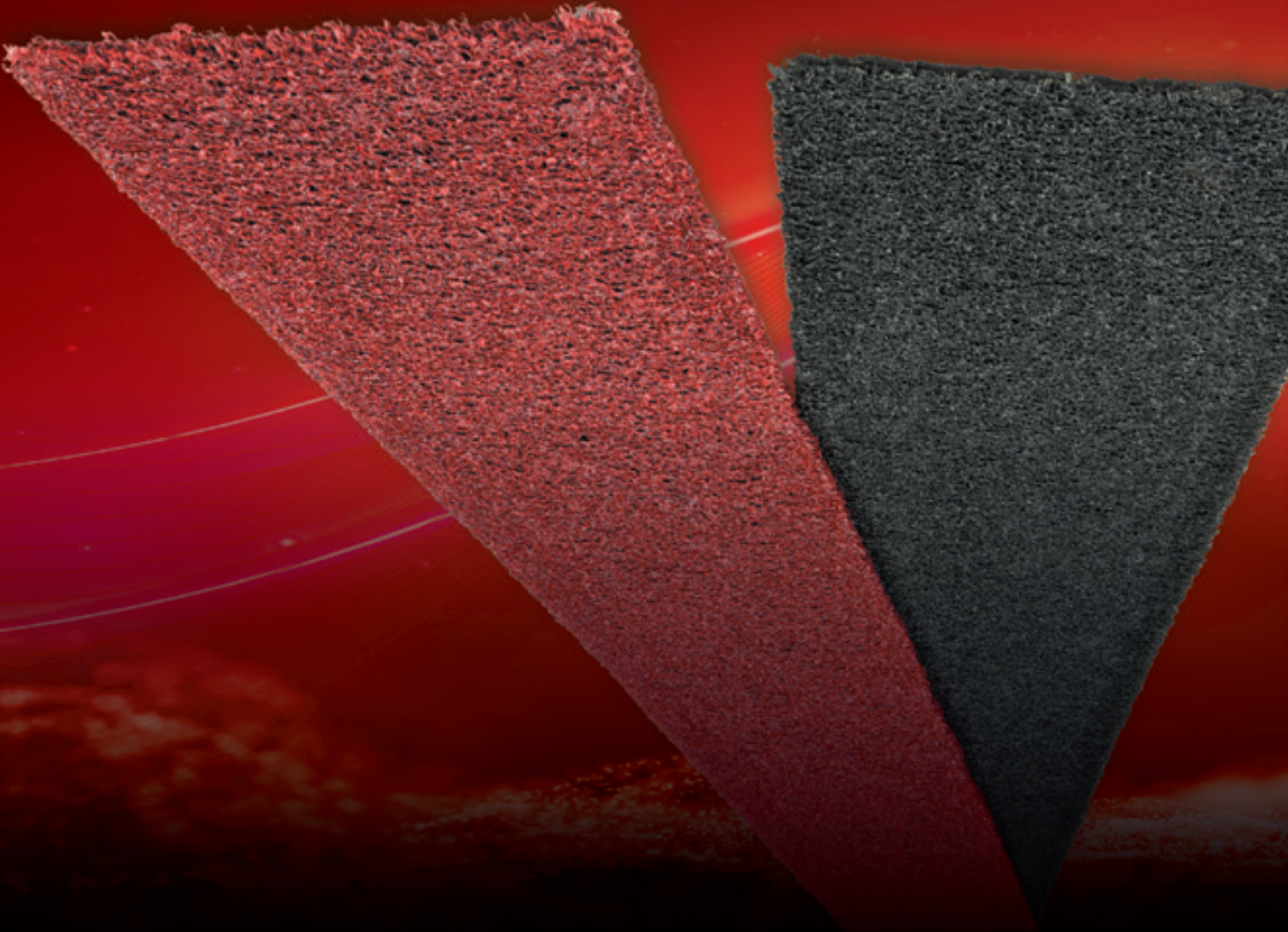
UNITIZED SLABS

UNITIZED SLABS	2S F	2A M	3S F	6S F	6A M	8A C
Dimensions	2S F	2A M	3S F	6S F	6A M	8A C
610 x 510 x 3,2	BUPO27	BUPO01	BUPO30	BUPO04	BUPO28	BUPO05
610 x 510 x 6,4	BUPO13	BUPO14	BUPO26	BUPO20	BUPO15	BUPO12
610 x 510 x 12,7	BUPO16	BUPO17	BUPO25	BUPO18	BUPO23	BUPO06
610 x 510 x 25,4	BUPO19	BUPO02	BUPO22	BUPO21	BUPO03	BUPO07



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Strip-it[®] Materials

Bibielle Strip-it products are ideal for cleaning welds, removing corrosion, rust, scale, paints, doing so without an excessive stock removal thus leaving a clean manageable surface to work on.

The open structure of our **strip-it** products makes them ideal for many applications and assist in its resistance to loading.

STRIP-IT

STRIP-IT	Black	Red
Dimensioni	Black	Red
1720 x 255	STX001	STXR01





www.bibielle.com

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