

GRINDING AND POLISHING

(with flexible tools)

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TECHNICAL INFORMATION AND PRODUCT INFORMATION

Abrasive sheets and blocks

GENERAL

Lukas Abrasive South Africa has partnered with Hermes Schleifmittel GmbH to be the sole distributor in Southern Africa of the Hermes brand coated abrasives.

Our Abrasive sheets and blocks are available in many different qualities and dimensions. Applications range from high chip removal through to achieving an extremely fine surface finish.

SAFETY ADVICE

Pay attention to the safety and accident prevention regulations, including the FEPA safety recommendations, when using and storing coated abrasives. The tools are marked with the appropriate pictograms for correct usage.

HANDLING AND STORAGE ADVICE

Coated abrasives should be stored in dry, frost free conditions. They should be kept away from heat sources, cold, damp walls, doors or windows and should not be in direct contact with the floor. Temperatures and humidity should be between 18-22 °C and 45%-65% Relative Humidity. Coated abrasives should not be exposed to direct sunlight.



for an excellent finish

Hermes Schleifmittel is a multi-national company with a long series of tradition and innovation, the Hermes brand of abrasives is a market leader in the coated abrasives sector. Manufacturing sanding products that includes heavy duty belts, sanding discs, rolls and accessories.

Quality: "Outstanding".

Hermes is the first European abrasives manufacturer to be awarded certification to DIN EN ISO 9001, including its research and development work, as long ago as 1993. A group certificate was added to this award in 1996.

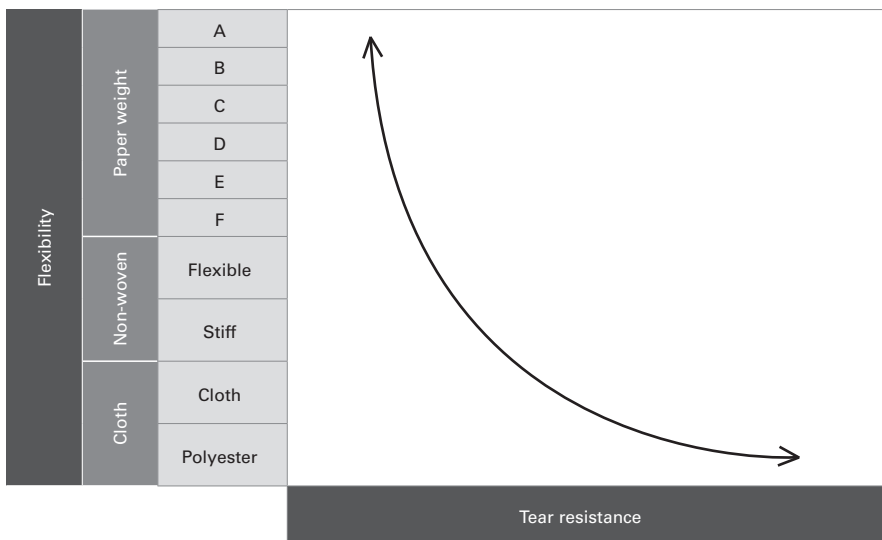
In 2002, the quality management was expanded to include the environmental management (incorporating occupational health and safety) to form an integrated management system which is applicable all over the world.

Controlled quality has top priority in the company, meaning that Hermes can satisfy customer requirements in every respect..



ABRASIVE BACKING

- **Paper** = flexible, easily torn, non water resistant
- **Paper with latex** = flexible, easily torn, water resistant
- **Cloth** = flexible, tear resistant, water resistant, suitable for mild to heavy duty applications
- **Polyester** = stiff, tear resistant, water resistant, suitable for heavy duty applications
- **Non-woven** = varies between flexible and stiff, tear resistant, water resistant

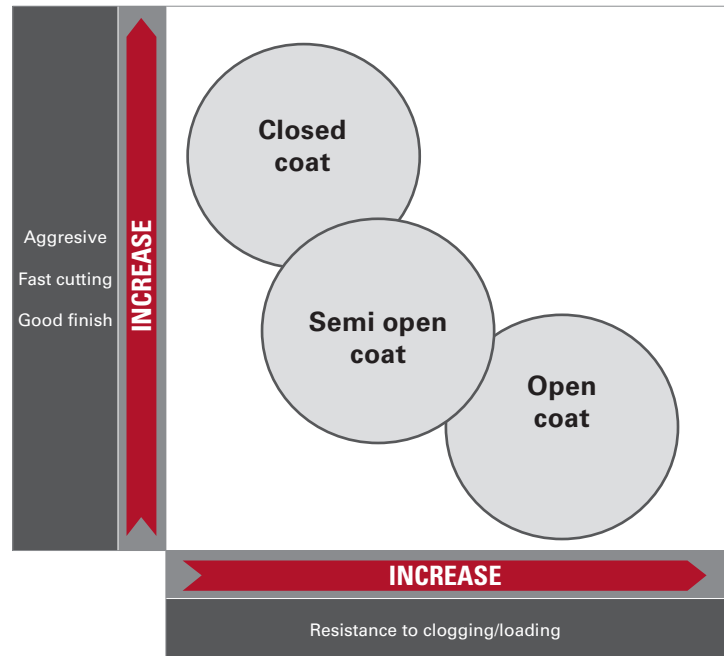


TECHNICAL INFORMATION

The most important product information at a glance

COATINGS

| Types of coatings | |
|--|--|
|  | Closed coat 100% of backing is covered in abrasive grain |
|  | Semi open coat 70% of backing is covered in abrasive grain |
|  | Open coat 50% of backing is covered in abrasive grain |

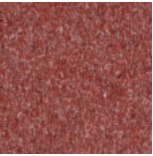
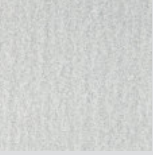
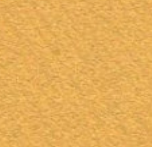


GRINDING AND POLISHING
(with flexible tools)

ANTI-CLOGGING STEARATE

The stearated coating is a dry lubricant which is released during use. Stearated coated abrasives are particularly useful in sanding painted or varnished surfaces which tend to clog/load

during the sanding process, the stearate coating prevents or reduces the clogging/loading and increases the useful life of the sandpaper

| Quality | Properties | Application areas/ machining | available as | Page |
|---|--------------------------|---------------------------------|--|-----------------------|
|  | No stearated coating | Poor anti-clogging properties | Sanding of hard non clogging surfaces such as steel | Velcro abrasive discs |
|  | Silver stearated coating | Excellent anti-clog properties | Sanding of lacquered surfaces, fibre-reinforced plastics, softwood | Velcro abrasive discs |
|  | Gold stearated coating | Good anti-clog properties | Sanding of lacquered surfaces, fibre-reinforced plastics, softwood | Velcro abrasive discs |









TECHNICAL INFORMATION

Qualities and areas of application

We have a range of abrasive rolls in proven qualities from the full spectrum of possibilities described here.

Quality recommendations apply for ideal operating conditions.

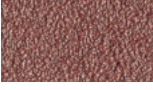

 best suitable  suitable

| Type | Page | Reference/ Description | Product line | Quality | Materials | | | | | | | | | | | | |
|---|------|----------------------------------|--------------|---|---|---|---|---|---|----------------------------------|-----------------|------|----------|-----------------------|---------------------|--------|--|
| | | | | |  |  |  |  |  | | | | | | | | |
| | | | | | Inox/Stain- less steel | General purpose Steel | Tool steels | Aluminium, magne- sium and copper alloys | Con- struction materials/ Plaster/ plaster- | Titanium and nickel alloys | Glass/ Stone | Wood | Plastics | Composit materials | Lacquer/ Varnish | Filler | |
|  | | Notch sheets | ★☆☆ | | | | | | | | | | | | | | |
| | | Angle sheets | ★☆☆ | | | | | | | | | | | | | | |
|  | | Wet/dry abra- sive sheets | ★★★☆☆ |  | | | | | | | | | | | | | |
| | | Auto paper abrasive sheets | ★☆☆ | | | | | | | | | | | | | | |
| | | Gold stearate abrasive sheets | ★☆☆ | | | | | | | | | | | | | | |
| | | Stearate abra- sive sheets | ★☆☆ | | | | | | | | | | | | | | |
| | | Emery cloth abrasive sheets | ★☆☆ | | | | | | | | | | | | | | |
| | | Non woven hand pads | ★☆☆ | | | | | | | | | | | | | | |
| | | Sponge hand sanding blocks | ★★★☆☆ | | | | | | | | | | | | | | |
| | | Ax-O abrasive blocks | ★★★☆☆ | | | | | | | | | | | | | | |

The right abrasive for every application

LUKAS offers you the right abrasive for every job – tailored to your requirements and the materials you want to machine. The high quality abrasives from LUKAS are ideal for many industries, areas and requirements, and therefore offer you a very wide choice.

The overview below lists all abrasives for use with flexible grinding and polishing tools. Read through the properties and application areas for various workpiece materials to establish the most suitable abrasive grain type and tools to meet your requirements.

| Quality | | Properties | Application areas/ machining | available as |
|---|---|--|--|-------------------------------------|
|  | A Semi-friable Aluminium oxide | very tough abrasive, high resilience | forged steel, malleable iron, grey cast iron, carbon steel, deep-drawn steel, steel band, zinc die castings, non-ferrous metals, wood | Abrasive blocks Abrasive sheets |
|  | C/SiC Silicon carbide | minimum heat genera- tion, special quality for the aerospace industry | aluminium and alloys, titanium materials, glass, ceramic, heat-resistant steel, plastic | Abrasives blocks Abrasive sheets |



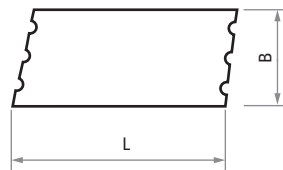
DRUM FLOOR SANDER

FOR HIGH PERFORMANCE FLOOR SANDERS



Notch sheets

- cloth backing
- highly aggressive
- fast cutting
- durable, good tool life



★☆☆

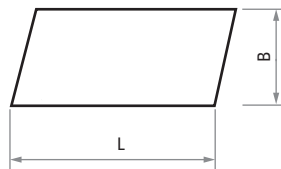
| Product number | Description | Width B mm | Length L mm | Grit | Abrasive | Coating | Backing | Pack contains |
|----------------|---------------------------|------------|-------------|------|----------|---------|---------|---------------|
| 6HC2000401027 | 200.472 P40 notch sheet | 200 | 472 | 40 | SIC | Semi | Cloth | 25 |
| 6HC2000601027 | 200.472 P60 notch sheet | 200 | 472 | 60 | SIC | Semi | Cloth | 25 |
| 6HC2000801027 | 200.472 P80 notch sheet | 200 | 472 | 80 | SIC | Semi | Cloth | 25 |
| 6HC2001001027 | 200.472 P100 notch sheet | 200 | 472 | 100 | SIC | Semi | Cloth | 25 |
| 6HC2001201027 | 200.472 P1200 notch sheet | 200 | 472 | 120 | SIC | Semi | Cloth | 25 |

Recommended for: ● Plastic/Wood



Angle sheets

- cloth backing
- highly aggressive
- fast cutting
- durable, good tool life



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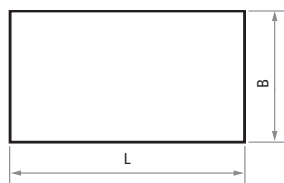
| Product number | Description | Width B mm | Length L mm | Grit | Abrasive | Coating | Backing | Pack contains |
|-----------------|--------------------------|------------|-------------|------|----------|---------|---------|---------------|
| 6HC21047004027C | 210.510 P40 angle sheet | 210 | 510 | 40 | SIC | Semi | Cloth | 25 |
| 6HC21047006027C | 210.510 P60 angle sheet | 210 | 510 | 60 | SIC | Semi | Cloth | 25 |
| 6HC21047008027C | 210.510 P80 angle sheet | 210 | 510 | 80 | SIC | Semi | Cloth | 25 |
| 6HC21047010027C | 210.510 P100 angle sheet | 210 | 510 | 100 | SIC | Semi | Cloth | 25 |

Recommended for: ● Plastic/Wood

HERMES HIGH QUALITY WET/DRY SHEETS

LONG LASTING AND CONSISTANT FINISHES

Hermes wet/dry abrasive sheets



- latex paper with improved characteristics of flexibility, resistance to folding and tearing can be used wet or dry
- sanding primers and painted areas
- initial sanding before painting
- lacquer sanding of shaped wood parts

★★☆

| Product number | Description | Width B mm | Length L mm | Grit | Abrasive | Coating | Backing | Pack contains |
|----------------|-------------------------|------------|-------------|------|----------|---------|-----------|---------------|
| 6PA23300603027 | P60 WS-flex 18C wet/dry | 230 | 280 | 60 | SIC | Closed | Paper - C | 50 |
| 6PA23300803027 | P80 WS-flex 18C wet/dry | 230 | 280 | 80 | SIC | Closed | Paper - C | 50 |
| 6PA23301003027 | P100 WS-flex 16 wet/dry | 230 | 280 | 100 | SIC | Closed | Paper - B | 50 |
| 6PA23301203027 | P120 WS-flex 16 wet/dry | 230 | 280 | 120 | SIC | Closed | Paper - B | 50 |
| 6PA23301503027 | P150 WS-flex 16 wet/dry | 230 | 280 | 150 | SIC | Closed | Paper - B | 100 |
| 6PA23301803027 | P180 WS-flex 16 wet/dry | 230 | 280 | 180 | SIC | Closed | Paper - B | 100 |
| 6PA23302203027 | P220 WS-flex 16 wet/dry | 230 | 280 | 220 | SIC | Closed | Paper - B | 100 |
| 6PA23303203027 | P320 WS-flex 16 wet/dry | 230 | 280 | 320 | SIC | Closed | Paper - B | 100 |
| 6PA23303603027 | P360 WS-flex 16 wet/dry | 230 | 280 | 360 | SIC | Closed | Paper - B | 100 |
| 6PA23304003027 | P400 WS-flex 16 wet/dry | 230 | 280 | 400 | SIC | Closed | Paper - B | 100 |
| 6PA23306003027 | P600 WS-flex 16 wet/dry | 230 | 280 | 600 | SIC | Closed | Paper - B | 100 |
| 6PC23008001027 | P600 WS-flex 16 wet/dry | 230 | 280 | 800 | SIC | Closed | Paper - B | 100 |
| 6PC23010001027 | P600 WS-flex 16 wet/dry | 230 | 280 | 1000 | SIC | Closed | Paper - B | 100 |
| 6PC23012001027 | P600 WS-flex 16 wet/dry | 230 | 280 | 1200 | SIC | Closed | Paper - B | 100 |
| 6PC23015001027 | P600 WS-flex 16 wet/dry | 230 | 280 | 1500 | SIC | Closed | Paper - B | 100 |
| 6PC23020001027 | P600 WS-flex 16 wet/dry | 230 | 280 | 2000 | SIC | Closed | Paper - B | 100 |
| 6PC23025001027 | P600 WS-flex 16 wet/dry | 230 | 280 | 2500 | SIC | Closed | Paper - B | 100 |

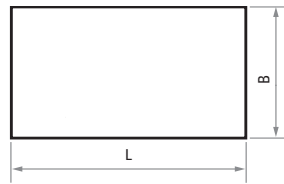
Recommended for: ● Inox/Steel ● Steel ● Stone/Construction material

ECONOMICALLY PRICED

EXTREMELY DURABLE FOR COMMERCIAL AND INDUSTRIAL PURPOSES



Auto paper abrasive sheets



- latex paper backing
- can be used wet or dry
- initial sanding before painting
- sanding primers and painted areas

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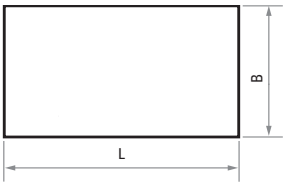
| Product number | Description | Width B mm | Length L mm | Grit | Abrasive | Coating | Backing | Pack contains |
|----------------|-------------------------|------------|-------------|------|----------|---------|-----------|---------------|
| 6PA23300803597 | P80 autopaper wet/dry | 230 | 280 | 80 | SIC | Closed | Paper - B | 50 |
| 6PA23301003597 | P100 autopaper wet/dry | 230 | 280 | 100 | SIC | Closed | Paper - B | 50 |
| 6PA23301203597 | P120 autopaper wet/dry | 230 | 280 | 120 | SIC | Closed | Paper - B | 50 |
| 6PA23301503597 | P150 autopaper wet/dry | 230 | 280 | 150 | SIC | Closed | Paper - B | 50 |
| 6PA23301803597 | P180 autopaper wet/dry | 230 | 280 | 180 | SIC | Closed | Paper - B | 50 |
| 6PA23302203597 | P220 autopaper wet/dry | 230 | 280 | 220 | SIC | Closed | Paper - B | 50 |
| 6PA23303203597 | P320 autopaper wet/dry | 230 | 280 | 320 | SIC | Closed | Paper - B | 50 |
| 6PA23303603597 | P360 autopaper wet/dry | 230 | 280 | 360 | SIC | Closed | Paper - B | 50 |
| 6PA23304003597 | P400 autopaper wet/dry | 230 | 280 | 400 | SIC | Closed | Paper - B | 50 |
| 6PA23306003597 | P600 autopaper wet/dry | 230 | 280 | 600 | SIC | Closed | Paper - B | 50 |
| 6PA23308003597 | P800 autopaper wet/dry | 230 | 280 | 800 | SIC | Closed | Paper - B | 50 |
| 6PA23310003597 | P1000 autopaper wet/dry | 230 | 280 | 1000 | SIC | Closed | Paper - B | 50 |
| 6PA23312003597 | P1200 autopaper wet/dry | 230 | 280 | 1200 | SIC | Closed | Paper - B | 50 |
| 6PA23315003597 | P1500 autopaper wet/dry | 230 | 280 | 1500 | SIC | Closed | Paper - B | 50 |

Recommended for: ● Inox/Steel ● Steel ● Stone/Construction material

SANDING OF SOFT PRIMERS AND LACQUERS

STEARATED TO ALLOW SHEETS TO RESIST LOADING

Gold stearated abrasive sheets



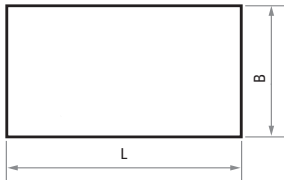
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- anti clog stearate coating
- can be used wet or dry

| Product number | Description | Width B mm | Length L mm | Grit | Abrasive | Coating | Backing | Pack contains |
|----------------|------------------------|------------|-------------|------|----------|---------|-----------|---------------|
| 6PA23400802097 | P80 gold sheet 1 star | 230 | 280 | 80 | A | Semi | Paper - C | 50 |
| 6PA23401002097 | P100 gold sheet 1 star | 230 | 280 | 100 | A | Semi | Paper - C | 50 |
| 6PA23401202097 | P120 gold sheet 1 star | 230 | 280 | 120 | A | Semi | Paper - C | 50 |
| 6PA23401502097 | P150 gold sheet 1 star | 230 | 280 | 150 | A | Semi | Paper - C | 50 |
| 6PA23401802097 | P180 gold sheet 1 star | 230 | 280 | 180 | A | Semi | Paper - C | 50 |
| 6PA23402202097 | P220 gold sheet 1 star | 230 | 280 | 220 | A | Semi | Paper - C | 50 |
| 6PA23402402097 | P240 gold sheet 1 star | 230 | 280 | 240 | A | Semi | Paper - C | 50 |
| 6PA23403202097 | P320 gold sheet 1 star | 230 | 280 | 320 | A | Semi | Paper - C | 50 |
| 6PA23404002097 | P400 gold sheet 1 star | 230 | 280 | 400 | A | Semi | Paper - C | 50 |

Recommended for: ● Inox/Steel ● Steel ● Stone/Construction material ● Aluminium ● Plastic/Wood

Stearated abrasive sheets



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- anti clog stearate coating
- can be used wet or dry

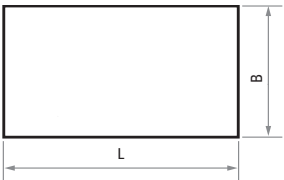
| Product number | Description | Width B mm | Length L mm | Grit | Abrasive | Coating | Backing | Pack contains |
|----------------|-----------------------------|------------|-------------|------|----------|---------|-----------|---------------|
| 6PC23001002097 | C100 stearate sheets 1 star | 230 | 280 | 100 | SIC | Semi | Paper - B | 50 |
| 6PC23001202097 | C120 stearate sheets 1 star | 230 | 280 | 120 | SIC | Semi | Paper - B | 50 |
| 6PC23001502097 | C150 stearate sheets 1 star | 230 | 280 | 150 | SIC | Semi | Paper - B | 50 |
| 6PC23001802097 | C180 stearate sheets 1 star | 230 | 280 | 180 | SIC | Semi | Paper - B | 50 |
| 6PC23002202097 | C220 stearate sheets 1 star | 230 | 280 | 220 | SIC | Semi | Paper - B | 50 |
| 6PC23003202097 | C320 stearate sheets 1 star | 230 | 280 | 320 | SIC | Semi | Paper - B | 50 |
| 6PC23003602097 | C360 stearate sheets 1 star | 230 | 280 | 360 | SIC | Semi | Paper - B | 50 |
| 6PC23004002097 | C400 stearate sheets 1 star | 230 | 280 | 400 | SIC | Semi | Paper - B | 50 |

Recommended for: ● Inox/Steel ● Steel ● Stone/Construction material ● Aluminium ● Plastic/Wood



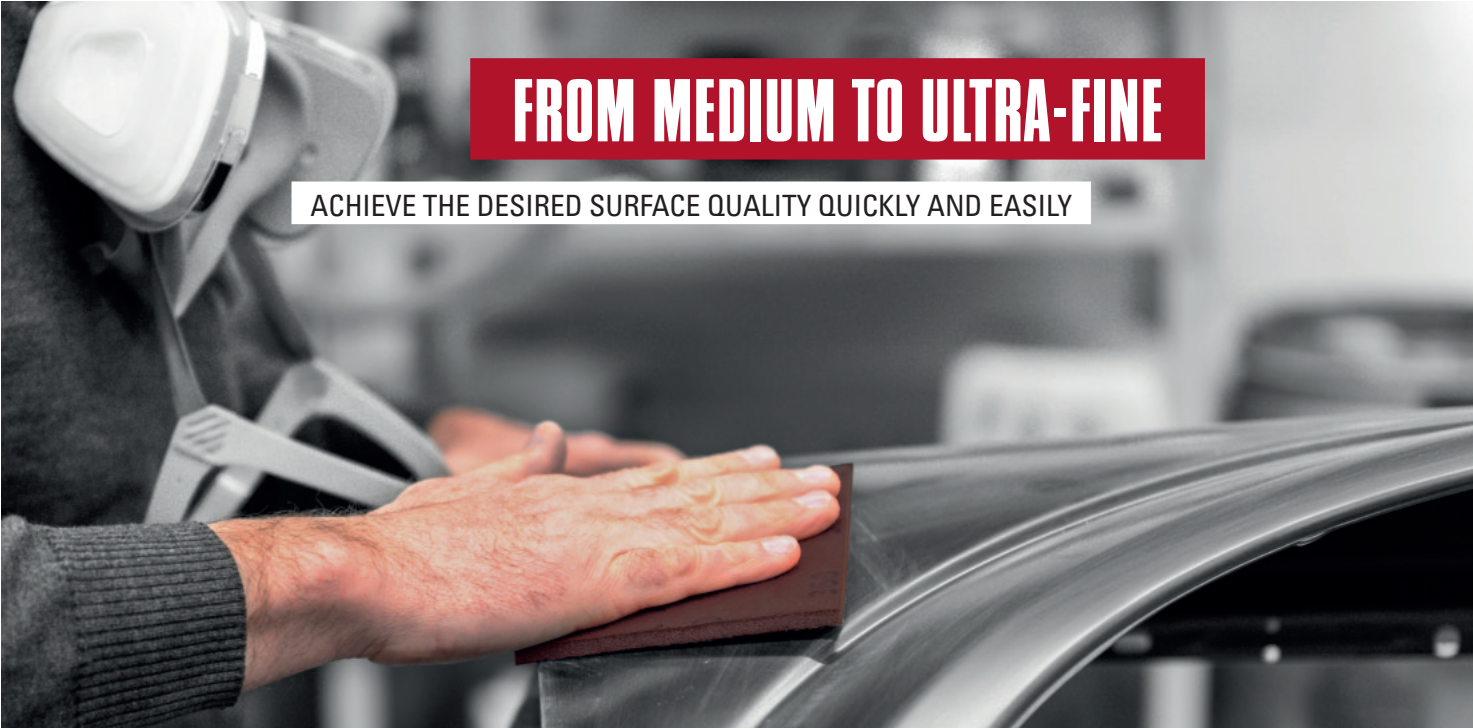
Emery cloth abrasive sheets

- general purpose
- flexible cloth backing
- deburring and general purpose sanding



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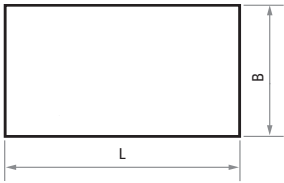
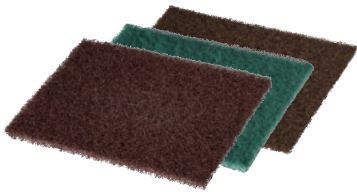
| Product number | Description | Width B mm | Length L mm | Grit | Abrasive | Coating | Backing | Pack contains |
|--|--------------------------|---------------|----------------|------|----------|---------|---------|------------------|
| 6PA23500502097 | P50 emery sheets 1 star | 230 | 280 | 50 | A | Closed | Cloth | 50 |
| 6PA23500802097 | P80 emery sheets 1 star | 230 | 280 | 80 | A | Closed | Cloth | 50 |
| 6PA23501002097 | P100 emery sheets 1 star | 230 | 280 | 100 | A | Closed | Cloth | 50 |
| 6PA23501202097 | P120 emery sheets 1 star | 230 | 280 | 120 | A | Closed | Cloth | 50 |
| 6PA23502202097 | P220 emery sheets 1 star | 230 | 280 | 220 | A | Closed | Cloth | 50 |
| Recommended for: ● Inox/Steel ● Steel ● Aluminium ● Plastic/Wood | | | | | | | | |



FROM MEDIUM TO ULTRA-FINE

ACHIEVE THE DESIRED SURFACE QUALITY QUICKLY AND EASILY

Non woven hand pad abrasive sheets



- for practical manual reworking
- LUKAS fleece pads are ideal for removing corrosion and surface staining and for cleaning, polishing and finishing all kinds of materials.

★☆☆

| Product number | Description | Width B mm | Length L mm | Grit | Abrasive | Pack contains |
|---|------------------------|------------|-------------|-----------|----------|---------------|
| 7FP1502300008 | Green hand pad | 150 | 225 | Fine | SIC | 10 |
| 7FP1502302008 | Med maroon hand pad | 150 | 225 | Medium | A | 10 |
| 7FP1502303008 | Fine maroon hand pad | 150 | 225 | Fine | A | 10 |
| 7FP1502304008 | V/fine maroon hand pad | 150 | 225 | Very fine | A | 10 |
| Recommended for: ● Inox/Steel ● Steel ● Aluminium ● Cast material ● Plastic/Wood ● Titanium | | | | | | |

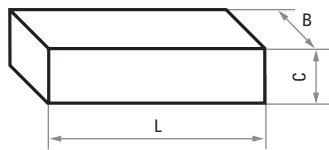
BLOCK SHAPE FOR EASY HANDLING

PERFECT FOR RETAINING SHAPE WHEN SANDING IN PERPENDICULAR CORNERS



Sponge hand sanding abrasive blocks

- sand on 4 sides
- block shape for easy handling
- can be used wet or dry
- high density sponge



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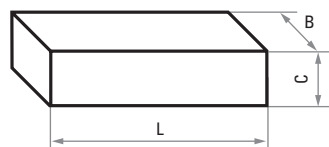
| Product number | Description | L mm | B mm | C mm | Grit | Abrasive | Pack contains |
|----------------|-----------------------|------|------|------|-------|----------|---------------|
| 7BB10060019 | Abrasive block coarse | 100 | 70 | 25 | P 60 | SIC | 1 |
| 7BB10120019 | Abrasive block medium | 100 | 70 | 25 | P 120 | SIC | 1 |
| 7BB10240019 | Abrasive block fine | 100 | 70 | 25 | P 240 | SIC | 1 |

Recommended for: ● Inox/Steel ● Steel ● Aluminium ● Cast material ● Plastic/Wood ● Titanium



Ax-O Artifex abrasive blocks

- versatile whetstone for various applications
- block shape for easy handling
- can be used wet or dry
- high rubber bond



★★☆

| Product number | Description | L mm | B mm | C mm | Grit | Abrasive | Pack contains |
|----------------|-------------------|------|------|------|-------|----------|---------------|
| 7BB060019 | Flex block coarse | 80 | 50 | 20 | P 60 | A | 1 |
| 7BB120019 | Flex block medium | 80 | 50 | 20 | P 120 | A | 1 |
| 7BB240019 | Flex block fine | 80 | 50 | 20 | P 240 | A | 1 |

Recommended for: ● Inox/Steel ● Steel ● Aluminium ● Cast material ● Plastic/Wood ● Titanium