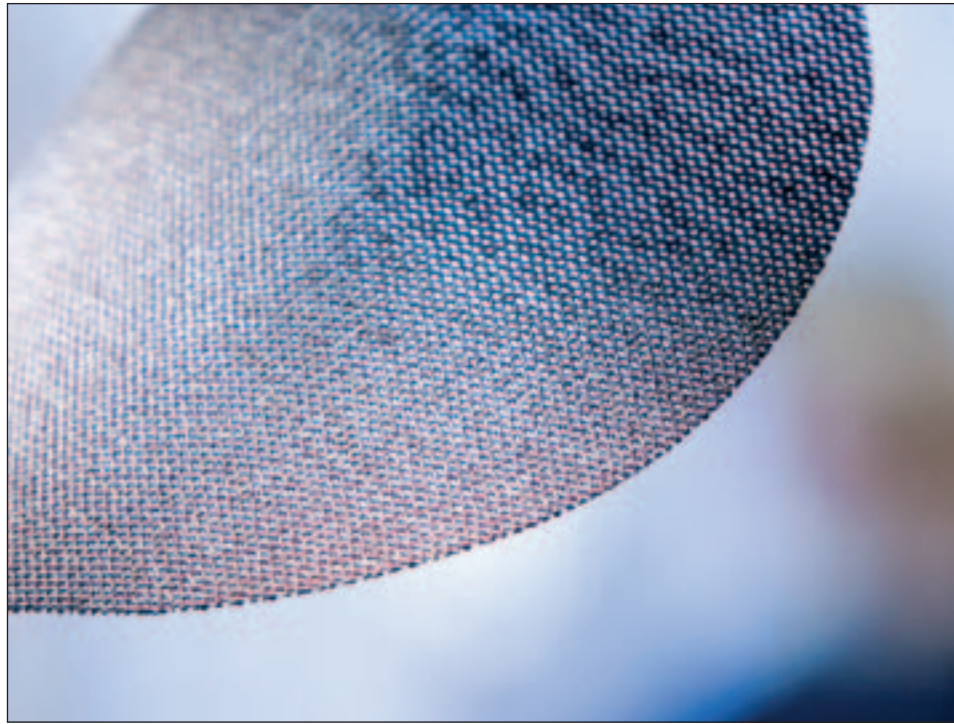


Abranet®



The solution to the dust problem







Contents

A revolutionary invention 4

For maximum benefits – use Abranet! 6

Abranet sets the standard 8

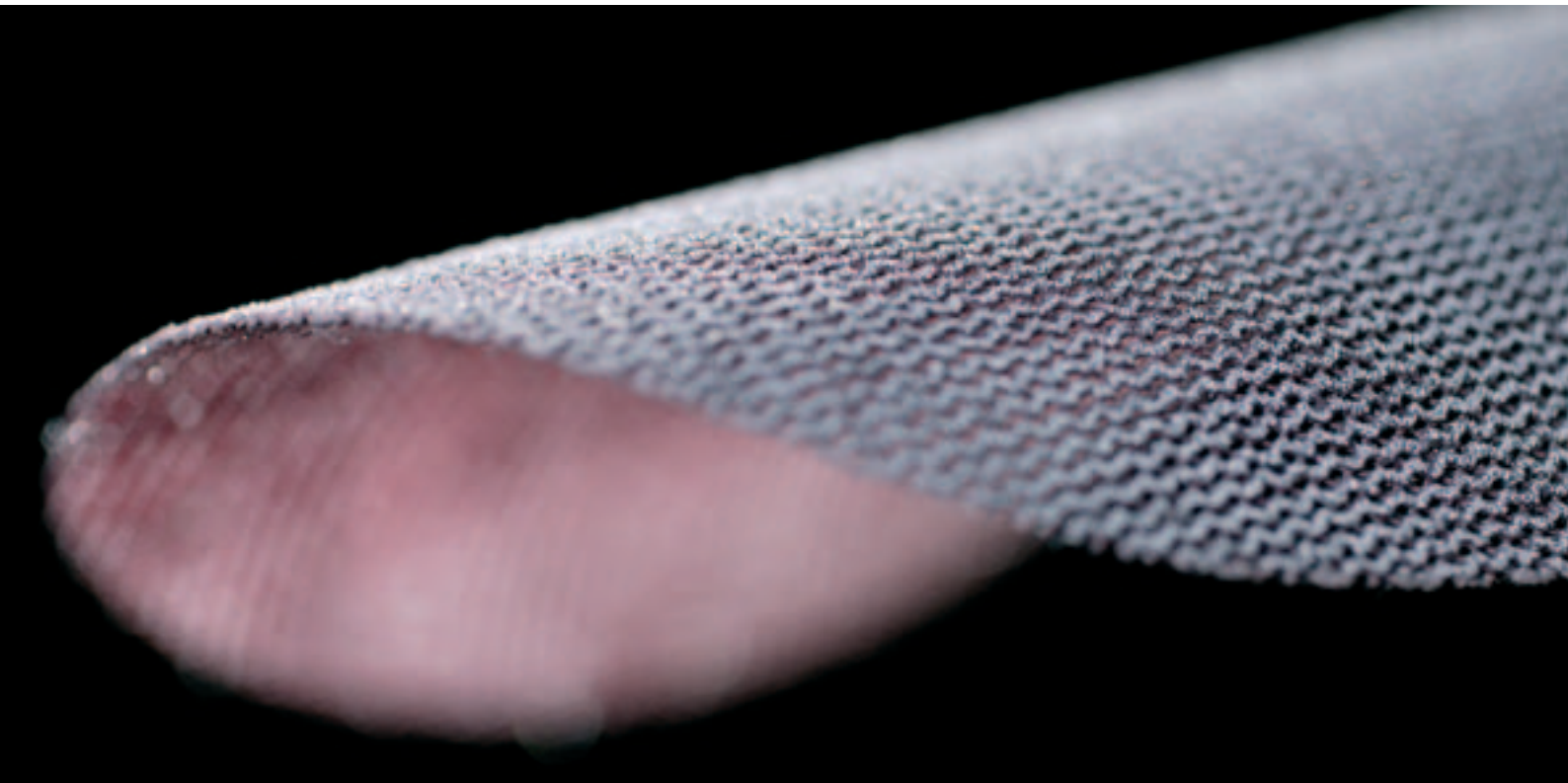
Abranet – for health reasons 10

The secret behind Abranet 12

A growing family 14

Development going ahead in leaps and bounds. **ABRANET** is a major leap ahead within the sanding technology.

A revolutionary invention



HIGHER PROFITABILITY. Abranet is more efficient and economical to use than traditional abrasives.

Sanding dust is a major health problem in many sectors. Dust from fibre glass, carbon fibre, aluminium and hardwood, for example, usually contains harmful particles. Mirka offers a simple but clever solution to the dust problem – Abranet. Now workers' lungs can be protected from dangerous sanding dust.

Abranet also makes it easier and more fun to work.

Sanding without disturbing dust particles also provides better control over the work. Moreover, the final result will be better. You will get a cleaner surface and a better surface finish.

One of Abranet's many advantages is that the sanding sheets or discs usually have a longer lifespan than traditional abrasives.

Companies using Abranet know that this translates into clear savings, i.e. better profitability and competitiveness.

Abranet use has spread like wildfire from branch to branch. At the same time, we have expanded the Abranet family with new products and accessories.

Now, everyone can take full advantage of Abranet's revolutionary qualities.



BETTER WORK ENVIRONMENT. Sanding dust can contain harmful particles. Abranet reduces the dust impact on the lungs.



FUN AND EASY. It is easier and more fun to sand using Abranet. Better control over the work guarantees a better final result.

MANUFACTURING. Abranet is the product to increase productivity.

For maximum benefits – use Abr

■ Abranet maximises efficiency and minimises cost, for example when manufacturing cars, lorries, trucks, aeroplanes, trains, boats and wind turbines. Sub-suppliers manufacturing aluminium and plastic components also choose Abranet. There are many reasons for this:

A modern production process requires a sanding material which is consistently good and reliable. Every detail of the process must be controlled, and sanding dust must be reduced to the minimum in order to prevent costly repair sanding. This becomes particularly relevant when the entire production costs are taken into consideration. The deciding factor depends on which sanding material provides the best value for money.

Abranet fulfils all of these demanding requirements. Additionally, Abranet usually has a longer lifespan than traditional abrasives. How much longer depends on the area where the product is used. Some customers report that Abranet lasts twice as long, while others report that the product can last up to six times longer. Abranet can even have a lifespan 10–15 times longer than traditional abrasives within sectors where soft materials are sanded, e.g. when using certain putties and fillers which can easily clog and destroy the abrasives.



Products

Abranet (for dry sanding)

Sanding material:

discs, sheets and rolls

Grit range: P 80–P 1000

Abranet non-stearate

- Works just as well without stearate
- For demanding painting processes (automotive industry)

Grit range: P 80–P 1000

Abranet Soft (for damp sanding)

Sanding material: discs, sheets

Grit range: P 1500–2500

Polarshine polishing compound

2 qualities for OEM's

2 qualities for Marine industry

anet!



MOST ECONOMICAL. When producing different types of products, for example, cars, sailing boats, trains and wind turbines, Abranet is the most economical sanding solution overall.



LUNG PROTECTION. Thanks to Abranet, a worker's lungs are now only exposed to a much smaller amount of dust. With a good dust extraction unit, special metals like zinc and aluminium or composites like carbon fibre and fibre glass can also be sanded.



SOFT MATERIALS. Abranet is ideal for sanding soft materials as the anti-clogging capability will prevent the abrasive from rapid wear / premature wear compared to using traditional abrasives.

BODYSHOPS. Abranet is the product to use when repairing cars.

Abranet sets the standard

■ Body damage repair work requires flexibility and efficiency from the bodyshop. Occasionally, the issue at hand is only a small scratch, at other times larger parts must be sanded, filled, painted and polished.

In this area, Abranet really reveals its true strengths. Aided by our sanding system for both hand- as well as machine sanding, an operator will smoothly and quickly manage all the work phases, from the sanding of coarse polyester fillers to the last final polishing. Dust-free effective sanding will be possible during the entire process. Even our hand sanding blocks are equipped with extraction.

Today, an increasing number of cars contain aluminium- and zinc coated components. Both aluminium and zinc require effective dust extraction. Even here, Abranet can offer the best solutions when it comes to work protection and final result.

The final sanding should be made using Abranet Soft, our new system for damp sanding. For ultimate finishing Abralon 4000 is recommended together with our new polishing solution Polarshine.



Products

Abranet (for dry sanding)

Sanding material:

discs, sheets and rolls

Grit range: P 80–P 1000

Abranet Soft (for damp sanding)

Sanding material: discs, sheets

Grit range: P 1500–2500

Whenever an even finer abrasive is needed, use Mirka's Abralon 4000

Polarshine polishing compound

4 qualities for ART



FAST AND EFFECTIVE. With Abranet dust-free effective sanding can be carried out during the entire process, from filler sanding to final polishing. This saves time and guarantees better quality.



ALUMINIUM. Metals, like aluminium, are becoming more common in modern cars. However, sanding aluminium requires effective dust extraction due to both production specific technical reasons and health reasons.



THE FINAL POLISH. With Abranet it is possible to reach goals quickly and efficiently: A repaired car feels like new. With the help of our new products, Abranet Soft, and the polishing solution, Polarshine, you will make cars shine brightly.

WOOD AND CONSTRUCTION INDUSTRY.

Why put your health at risk? Thanks to Abranet, dust-free sanding is possible!

Abranet – for health reasons

■ Woodworking produces a lot of dust that can contain hazardous particles. The latest research shows that sanding harder wood is more dangerous than sanding softer wood.

When sanding furniture, kitchen and bathroom cupboards, windows and doors, it is important to have good dust extraction – both for health reasons as well as for the final result. Naturally, the best alternative is to change and begin using the Abranet system, which is virtually dust free. Abranet reduces the dust load from dangerous particles on lungs, as well as provides many other time and money savings.

A dust-free work environment ensures control of the sanding work. When sanding, other work phases can be made simultaneously in the same room. And of course there will be less tidying up afterwards!

Abranet is known for its long lifespan – which means that the abrasive doesn't have to be changed as often as before. Another advantage is that Abranet maintains its aggressive properties much longer than traditional sanding materials.



Products

Abranet

Sanding material:

discs, sheets and rolls

Grit range: P 80–P 1000

For the construction industry

Abranet Deco Sander

(sanding tool, telescopic tube and dust extraction hose)

Hand sanding block with dust extraction

Grit range: P 80–P 1000

Vacuum cleaner



HAZARDOUS DUST. Sanding dust can contain harmful particles. The latest research shows that sanding hard wood is more dangerous than sanding soft wood.



BETTER CONTROL. Dust-free sanding enables better control over sanding work. Many different tasks can be made simultaneously in the same room. And there will be less tidying up afterwards.



Abranet Deco Sander

Now it is possible to sand indoors without having to cover furniture and decorations! For professional builders and tool hire companies, we have developed the Abranet Deco Sander, a special tool for sanding walls and ceilings. The tool is attached to a telescopic tube with a range up to 2.3 metres. With the Abranet Deco Sander, it is easy to sand putty joints on walls and ceilings. Since the sanding tool sucks towards the surface, no hard pressure is needed to achieve a successful result. The hand sanding block with dust extraction can be used to get to hard to reach edges and corners.

Try **ABRANET** and you will not regret it.

The secret behind Abranet



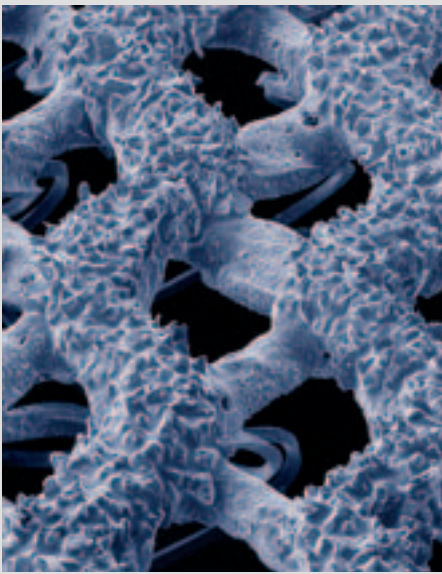
■ With Abranet, Mirka has succeeded with something where many others have previously failed –to develop a completely even sanding net. A sanding net with thousands of holes provides a phenomenal dust extraction. The maximum distance from each sanding particle to the closest dust extraction hole is 0.5 mm! Abranet’s clever construction provides many advantages. Because the dust is being continuously sucked away, sanding is virtually dust free. Tests have shown that the dust release from Abranet is only minuscule when compared to the dust released from traditional abrasives with dust extraction. When the abrasive and the sanding surface are constantly kept dust free, the lifespan of the abrasive is extended. Since the abrasive maintains its aggressive properties over the entire surface, sanding becomes more even and efficient. The sanding result will also be better. Since it is always possible to see what is being sanded, there will be a completely different control over the work, meaning that over-sanding, for example, can be avoided.

Additionally, Abranet will solve many old dull problems, such as the formation of so-called “dust pills” and clogging. Since dust can no longer collect in lumps on the sanding discs to the same extent, there is no longer a danger that sanded dust will build up and create grooves on the sanding surface, or fill up the disc and so reduce its sanding capacity.

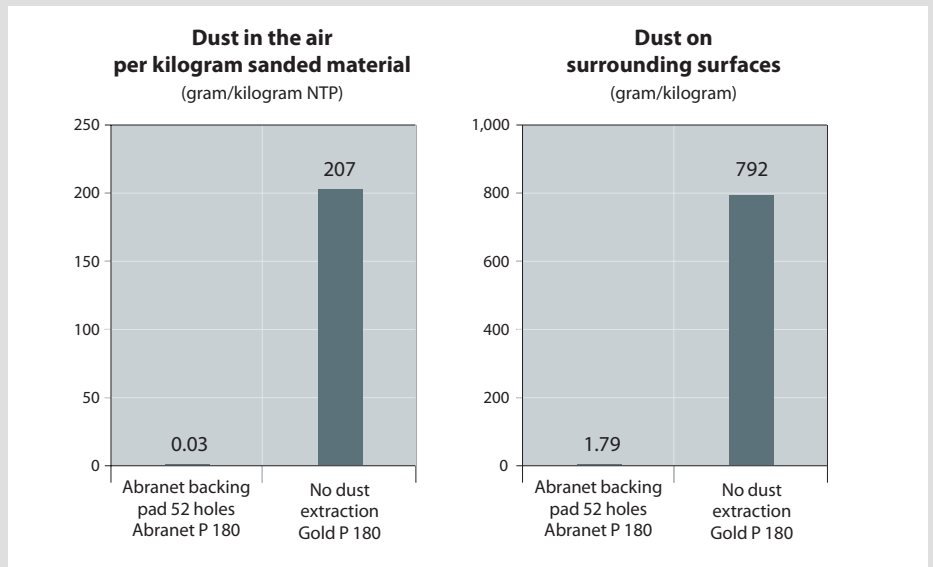
No wonder everyone chooses Abranet!



NEW FEELING. Abranet gives a whole new feeling to sanding, since it makes the work easy and efficient. Those who’ve once used Abranet don’t want to change back!



HOW MUCH LONGER? Abranet's lifespan depends on the type of material being sanded. Generally, it seems as though the disc would last twice as long as traditional abrasives. However, in certain cases where a normal disc would become clogged easily, when sanding soft surfaces for example, Abranet can last up to 10 times longer. **When hand sanding with a sheet, Abranet is by far superior compared to competing products.**



TEST WINNER. Laboratory tests show that Abranet has solved the dust problem. The amount of dust in the air when machine sanding with Abranet is 6,900 times less than when sanding using traditional abrasives without dust extraction.

When Abranet was compared to a traditional 6-hole sanding disc with dust extraction system, Abranet also proved itself to be completely superior. The dust concentration from Abranet was max. 0.15 mg/m³, while the corresponding figure for the traditional sanding disc was 1.6 mg/m³.

We advise users to follow the FEPA and UAMA recommendations regarding the protection equipment suitable for the method as well as the material being sanded. These recommendations should always be made after conducting a risk assessment at the place of work.

Tests also show that besides the air being much cleaner when sanding with Abranet, the surrounding surfaces, for example, are also much cleaner. This means considerable savings in cleaning costs.

ABRANET is a large family of sanding materials and accessories. And it's growing all the time.

A growing family

Abranet®
Quality from start to finish



■ Today, the Abranet system is available for most branches. The complete Abranet sanding system consists of a vacuum system, sanding machines, backing pads and hand sanding block, as well as various types of sanding products. There are also polishing compounds for the automotive and marine industries. Special tools to sand walls and ceilings have been created for those working in the construction industry.

Abranet can be used immediately, without taking on large additional investments, if a vacuum system and sanding machines are already in place. All that is needed for machine sanding are

Abranet discs and a specially designed backing pad. For hand sanding Abranet sheets and our special hand sanding blocks are required. The Abranet system contains a special interface that is attached between the abrasive and the pad. It attaches the Abranet firmly to the sanding machine, and reduces the wear and tear on the pad.

We can offer solutions to suit both larger and smaller production lines for those requiring a completely new system.

This is how you use Abranet!

OEM: Marine

Plug manufacturing

Putty sanding	Abranet P 80–P 180
Plug coat sanding	Abranet P 500–P 1000
	Abranet Soft P 1500–2500

Gel coats

Dry sanding	Abranet P 180–P 1000
Damp sanding	Abranet Soft P 1500–2500

OEM: Car manufacturer

On track

Body-in-white	Abranet P 120–P 180
Epoxy dipp coating	Abranet P 240–P 360
Primer	Abranet P 400–P 800
	Abranet Soft P 500–P 800 damp or dry
Clear coat / Top coat	Abranet Soft 2500 damp

Off track (hospital area)

Body repair	Abranet P 600–P 1000
	Abranet Soft P 500–2500 damp or dry

ART: Body shops

Paint stripping	Abranet P 80–P 120
Putty sanding	Abranet P 80–P 180
Primer sanding	Abranet P 320–P 600
	Abranet Soft P 800–P 1000 damp or dry
Clear coat / Top coat	Abranet Soft P 1000–2500 damp

Wood and construction industry

Construction / Decorating

Sanding of wallsand ceilings	Abranet P 120–P 180
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Universal wood sanding

Rough sanding	Abranet P 80–P 120
Surface sanding	Abranet P 120–P 180
Intermediate sanding	Abranet P 240–P 1000
High gloss finish	Abranet Soft P 1500–2500



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