

**MIRKA**

Automotive refinish

# About Mirka

**KWH MIRKA LTD** is a family-owned Finnish company and a world leader in abrasives technology innovation. We are offering a complete range of technically superior, high quality abrasives, innovatively designed tools, complete sanding systems and supplementary products. This total innovative solution delivers real benefits to customers in terms of speed, first-class efficiency, surface finish quality and cost effectiveness, even when tackling the most demanding applications.

Mirka is the first company in its sector to obtain the three most important quality standards. The

production process guarantees reliable quality by following the ISO 9001 quality assurance system. The OHSAS 18001 occupational health and safety management system ensures a high level of work safety. The ISO 14001 environmental management system proves that we consider the environment in all our activities.

95 percent of our products are exported and sold across the globe through our subsidiaries and importers.

Read more: [www.mirka.com](http://www.mirka.com)



## Corporate Responsibility

**CONTINUOUS IMPROVEMENT TOWARDS SUSTAINABILITY.** Changing conditions inspire us to improve and grow our business. We see that our customers are as interested in sustainability as we are. This is why our product development is focused on innovating the best sustainable products and systems, while continually improving our own environmental performance.

Our business is focused on providing the best surface finishing preparation tools and systems to customers. To be the most sustainable finishing systems provider, we are digging deep down to the core of our company to figure out what it really means to be sustainable. We have accomplished a great deal already and have many more

initiatives we will take on in the future.

For people working at Mirka, it has always been clear to not waste financial or material resources – of our own or those of our customers. We find it is equally clear to preserve the planet’s resources. Sustainability is a natural extension of this approach. It means taking the economy, the earth, and people into consideration when we make business decisions – now and for future generations.

We are continuously looking for opportunities to reduce our environmental footprint – this aligns with our company values and also cuts costs. We have worked hard to conserve energy and raw materials, reduce waste, increase recycling, and

decrease the use of persistent chemicals. We are developing healthier, safer, and more efficient products and processes so that our customers and employees will benefit. For example, our dust-free sanding systems help protect the lungs of workers while giving a cleaner and better surface finish.





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


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<b>SYMBOLS</b> 	 Disc	 Sheet	 Roll	 SR disc
	 Net disc	 Net strip	 Net roll	 Aquastar

# AUTOMOTIVE REFINISHING

The automotive refinish industry has been a key sector for more than two decades. Mirka's capacity to consistently provide cutting-edge products that meet the industry's constant need for improvements in efficiency, productivity and a cleaner working environment has seen it become one of the world's most trusted brands.

The MIRKA culture is to continually challenge traditional concepts and to think 'outside the box' to create unique solutions that give customers a clear edge. For example Mirka's innovative net sanding concept is unlike any other. The patented net abrasives contains literally thousands of tiny holes that allow dust and other particles to be efficiently vacuumed away to prevent them clogging the disc surface.

MIRKA's Power Tools unit has also used creative thinking to develop an ever expanding range of specialized tools which are packed with clever design and attention to detail.

Mirka's highly effective polishing product line, Polarshine, has become the clear choice for performance conscious users.

Mirka's unique concept of dust-free sanding, combined with our effective surface finishing solutions, has replaced traditional sanding methods in many industries. Mirka's products are approved by the most important global paint dealers and are used in bodyshops all over the world.

# OPTIMIZED SURFACE PREPARATION



## OSP SYSTEM

Mirka's net abrasive success story took a big step forward when the ground breaking OSP (Optimized Surface Preparation) system recently was introduced to the market. The OSP system is a net sanding system solution for Automotive Refinishing, a simple standardized system with a clearly defined process and maximized performance. Easy to learn, with fewer steps than traditional systems and of course dust-free as all Mirka's net abrasives.



# How to use the OSP System

## Paint removal / Feather edge



### USE:

- Disc or strip No 1 for paint removal.
- Disc or strip No 2 for feather edge.

### OSP PRODUCT



## Polyester filler



### USE:

- Strip No 1 to level polyester filler.
- Strip No 2 for final leveling and as first step on fine polyester filler.

## Primer preparation



### USE:

- Disc No 3 to prepare the repaired area for primer by reducing scratches and expanding the feather edge.

### OSP PRODUCT



## Finishing

### OSP PRODUCT



### USE:

- Disc or strip No 3 to level structure on primer.



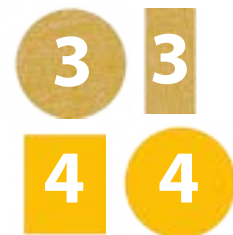
### USE:

- Soft pad No 4 for hard-to-reach areas.



### USE:

- Finalize the sanding with disc No 4.



# STANDARD REPAIR PROCESS

The combination of Mirka's high performing abrasives and tools are developed to provide a correct repair process which meets the demands of today's automotive collision repair industry. Environment, health and safety are taken into consideration in all aspects of the process and always with a focus on quality from start to finish, helping you to perform better.



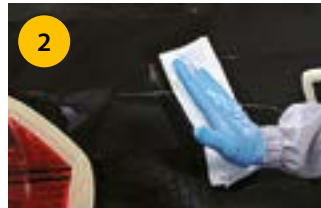


# PANEL REPAIR

## Clean and inspect



1 Preparation is the key. Degrease the whole working area.



2

## Paint removal



1 Remove paint on repair area, use net disc grit P80 or P120.



2 Expand feather edge, use net disc grip P180.

## Body filler application



1 Mix and apply filler to damaged area, avoiding surrounding paintwork.



1 Apply Mirka Dry Guide Coat to highlight imperfections on the surface.



2 Shape and level body filler. Use net strip P80 or P120 with sanding block or Mirka® OS 383 machine for smaller areas.



OR

## Sanding steps / Step 1

## Sanding steps / Step 2



1 Apply Mirka Dry Guide Coat on filler area.



2 Fine sanding of body filler and feather out. Use net strip P180-P240 with sanding block or Mirka® OS 383 machine. >>> Check repair area, if required fill pinholes with a fine polyester filler.



OR

# PRIMER PREPARATION

## Primer preparation



Sand repair area expanding feather edge into original paint work. Use disc grit P320 with a soft interface pad.  
»» Degrease panel and inspect.



OR



For edges use Goldflex-Soft pad P320 or Mirlon scuffing pad VF.

## Primer application



Clean the surface properly.



Apply primer filler according to the paint manufacturers recommendations.

# PAINT PREPARATION

## Primer sanding



**1**  
Apply Mirka Dry Guide coat on the primer filler area.



**2**  
For sanding block or Mirka® OS 383 machine repaired area, use net strip grit P320.

OR



**3**  
Sand edges and hard to reach areas with Goldflex-Soft P500.

## Surface preparation



**1**  
Further reduce scratch pattern. Apply Mirka Dry Guide Coat.



**2**  
Sand edges and hard to reach areas with Goldflex-Soft P600.



**3**  
Machine sand the area. Use net disc grit P500 + interface pad or Gold Soft Grip disc P500.

## Blending



**1**  
Preparation of adjacent panels and panel blend. Use Abralon® grit 1000 disc damp or Polarstar®/Microstar® disc with interface pad dry.

»» Degrease panel and inspect.



**2**  
Use Mirlon Total® UF in the fade out area.

# PAINTING

Base- and Clear coat



**1**  
Degrease and wipe clean.  
Use Mirka Tack cloth.



**2**  
Apply base coat and clear coat.



**3**  
Final result.

# PAINT RECTIFICATION

Removal of dust nibs

## Defect removal



1 For removing of defect use Polarstar® SR and Mirka® AOS 130NV or Mirka® ROS 150NV machine.



2 Always use water when sanding, apply water to both abrasive and on defect area. Use Mirka damper for best result.



3 Light press with machine and sand for 2–3 seconds.



4 Wipe clean and check the surface. Repeat step 3 if needed. Use Mirka soft microfiber cloth.

## Polishing / Finishing



1 Compounding: use Mirka® ROP2 312NV with Mirka® Lambswool Pro pad and Polarshine® 10. Apply small amount of compound on polishing pad.



2 Gentle press on the machine at moderate speed, wipe clean and check the surface. Repeat the compounding process if needed.



3 Polishing: use Mirka® Yellow waffle pad and Polarshine® 10. Apply small amount of compound on polishing pad.



4 Gentle press on the machine and use at moderate speed, wipe clean and check the surface. Repeat the polishing process if needed. Use Mirka soft microfiber cloth for final cleaning.

# PAINT RECTIFICATION

Large area single compound polishing solution

## Defect removal



**1** Remove defects: use Microstar® P1200 or P1500 + 5 mm inter-face pad. Sand with medium speed, 6,000–7,000 rpm.



**2** Reduce scratches: use Abralon® 3000 damp sanding. Sand with low speed, 6,000 rpm.

➤ To reduce polishing time and to produce a excellent finish an additional sanding step with Abralon® is often the key.

## Compounding



**1** Use Polarshine® 10 and Mirka® Lambswool Pro pad. Polishing speed max. 1,500 rpm.

➤ Use recommended pad and compound combination for best result.

➤ Do not use too much compound at a time. Use small amount which is consumed on a focused area >>> less messing and clean up!

## Polishing / Finishing



**1** Use Polarshine® 10 and Mirka® Yellow waffle pad. Wipe and do final cleaning with Mirka soft microfiber cloth. Polishing speed max. 1,500 rpm.

➤ For light colours a single step compound is often enough, for dark colours use additional step with black soft pad.

➤ Keep the pads clean, a dirty pad causes deep swirls and scratches.

# POLISHING PROCESS

Mirka's Polarshine polishing compounds are developed for demanding polishing operations in any application where a high gloss end result is important. The Polarshine product range consists of polishing and finishing compounds from coarse through to fine grades and is, when combined with Mirka polishers and pads, ideal for producing a high quality result.

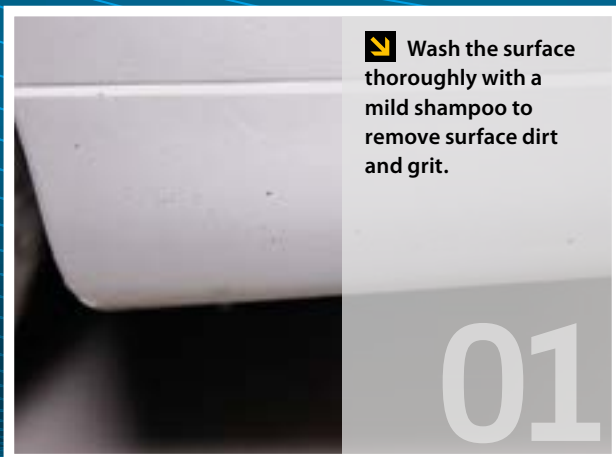
# DEEP CLEANING PREPARATION PRI

Mirka® Cleaning Clay and Mirka® Clay Lubricant

Mirka product code: 7991520011

Mirka product code: 7991530011

The idea with the cleaning clay is to make a “deep cleaning” of the surface before any treatment. By cleaning properly before sanding it avoids the abrasive surface to be contaminated with dirt.



Wash the surface thoroughly with a mild shampoo to remove surface dirt and grit.



Cut off a suitable piece of clay.




# OR TO POLISHING




⚠ Check that the Cleaning Clay is not contaminated with any heavy dirt particles that could scratch.

03



⚠ Roll it into a ball and shape the clay into a disc.

04




⚠ Wet the surface by applying Clay Lubricant liberally.

05



⚠ Gently rub the surface with the shaped clay in an overlapping pattern similar to sanding for 2-3 minutes. If necessary, re-roll the clay into a ball, as the exposed face of the clay becomes "exhausted", then re-flatten to expose a fresh face.

06



⚠ Continue working until the contamination is removed.

07



⚠ After use, place the clay back into the re-sealable plastic box to maintain perfect condition and to avoid contamination.

08

# POLISHING SOLUTIONS

## Fully cured paint works solution

CUTTING



Use **Polarshine® 35** together with Mirka Lambswool pro pad.



POLISHING



Use **Polarshine® 10** together with Mirka® Yellow waffle pad.

## Traditional fresh paint works solution

CUTTING / LARGE AREA



Use **Polarshine® 15** together with Mirka Lambswool pro pad.



POLISHING



Use **Polarshine® 10** together with Mirka® Yellow waffle pad.



CUTTING / SMALL AREA



Use **Polarshine® 15** together with Mirka® Yellow waffle pad.

**Fast-Finish fresh paint works solution**

**CUTTING**



Use **Polarshine® 10** together with Mirka® Lambswool pro pad.

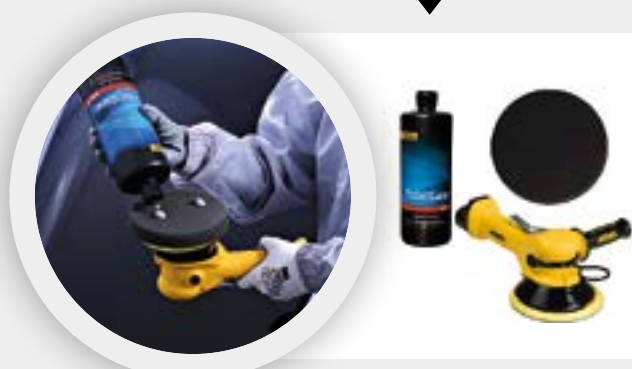


**POLISHING**



Use **Polarshine® 10** together with Mirka® Yellow waffle pad.

**Hologram removal and final finish on dark colours**



Use **Polarshine® VF5** together with Black flat foam pad.

**Surface protection**

**OPTION 1**



Use **Polarshine® Liquid Nano Wax** together with Mirka® soft microfiber cloth.

**OPTION 2**



Use **Polarshine® Finishing Compound 3** together with Black flat foam pad.



Use **Polarshine® Finishing Compound 3** together with Mirka® soft microfiber cloth.

A winter night landscape featuring snow-covered evergreen trees and a bridge over a body of water. The scene is illuminated by a soft, greenish light, likely the aurora borealis, which is visible in the sky. The water reflects the surrounding environment, creating a symmetrical effect.

# THE MAGIC OF MIRKA POLARSHINE®

In Northern Europe a strange light phenomenon can occasionally be seen in the sky at night. Sometimes it is seen as sweeping beams of light, sometimes as glowing arches. Often it appears as huge curtains of light sweeping eerily across the sky. It changes colour, shines and creates a beautiful display that will fascinate and spellbind.

# POLARSHINE® POLISHING COMPOUNDS

## Polarshine® 35 Polishing Compound

Mirka product code: 7992810111 (1 L)



↘ Polarshine 35 is a coarse polishing compound developed for demanding Industrial and Marine applications. Polarshine 35 is suitable for materials such as gel coats, high gloss lacquers and composites. This product has a faster and more efficient compound and produces a high surface gloss. By using Polarshine 35 you are able to minimize the sanding steps. This polishing compound has special emulsifying properties, which reduce the risk of drying out or overheating the surface. The viscosity of Polarshine 35 reduces splashing and is easy to use.

## Polarshine® 15 Polishing Compound

Mirka product code: 7994015111 (1 L)



↘ This advanced cutting formulation is the quick and easy polishing option for efficiently producing a premium surface finish on both freshly applied and established paintwork. Rather than cover up scratches, Polarshine 15 actually polishes them out before your eyes to leave a first class gleam. It is cost effective, safe and easy to use and even clean up is quicker and simpler thanks to the low splash, silicon-free compound. Polarshine 15 is designed to be used for machine application.

## Polarshine® 10 Polishing Compound

Mirka product code: 7995010111 (1 L)



↘ An ultimate single compound system. Polarshine 10 is a medium coarse polishing compound especially designed for achieving the best result after sanding with Mirka's unique products. Polarshine 10 is suitable for all paint systems and for polishing of scratch resistant clear coats. It is designed to keep the surface temperature low when polishing and it removes marks permanently. Polarshine 10 is silicon free and can be used for both machine and hand application.

## Polarshine® Polishing Compound VF5

Mirka product code: 7992450511 (1 L)



↘ Polarshine VF5 is a medium fine polishing compound suitable for hologram removal. Polarshine VF5 is silicone free and suitable to be used with a random orbital polisher.

## Polarshine® Liquid Nano Wax

Mirka product code: 7992725111 (1 L)



↘ Polarshine Liquid Nano wax is efficient and easy to work with. It gives a good finish and excellent results on dark color surfaces. Easy to clean up the residue. Leaves no color staining on paint finish.

## Polarshine® 3 Finishing, Nano Antistatic Wax

Mirka product code: 7992660311 (1 L)



↘ Polarshine 3 is an ultra-fine polishing compound, suitable for protecting the achieved high gloss finish on both original paintwork and repainted surfaces. Polarshine 3 is excellent for buffing and sealing of surfaces and for hologram removal. It leaves a long lasting high gloss shine and it is ideal for demanding colors. Polarshine 3 contains carnauba wax and suitable for both machine and hand application.

# POLISHERS AND POLARSHINE® PO

## MIRKA® POLISHER PS 1437 150 mm

**Mirka product code: 8991300111**

The Mirka Polisher features a powerful, high torque electric motor, along with a step-less switch and pre-selection of rotational speed which makes it possible to achieve the precise speed required when polishing. There's also a bail handle and a side handle for better control and a spindle lock to make pad changes easy. It's an excellent tool for polishing smaller surfaces and is designed to be used with a maximum 150 mm pad. To achieve the best results, it's recommended that Mirka polishing compounds, backing pads and polishing pads are used.



### Technical specifications

<b>Thread</b>	M14
<b>Weight (kg)</b>	1.9
<b>Noise level (dB)</b>	84
<b>Power input (W)</b>	1,400
<b>Speed (rpm)</b>	1,100–3,700
<b>Voltage main supply (VAC)</b>	230

## MIRKA® POLISHER PS 1524 180 mm

**Mirka product code: 8991400111**

The 180 mm polisher is ideal suited for all kinds of polishing tasks from compounding and polishing & fine polishing to buffing on larger surfaces. This polisher has a powerful motor with good cooling properties. The electronic variable speed maintains constant speed under load for consistent performance. The PS1524 has a spindle lock for quick and easy pad changing. To achieve the best results, it's recommended that Mirka polishing compounds, backing pads and polishing pads are used.



### Technical specifications

<b>Thread</b>	M14
<b>Weight (kg)</b>	3.3
<b>Noise level (dB)</b>	83
<b>Power input (W)</b>	1,500
<b>Speed (rpm)</b>	800–2,400
<b>Voltage main supply (VAC)</b>	230

# LISHING ACCESSORIES

## MIRKA® ROP2 312NV 77 mm / MIRKA® ROP2 512NV 125 mm

Mirka product code: 8994210311

Mirka product code: 8994220311

Mirka's pneumatic Two-Handed Polisher features powerful performance, excellent stability during operation and a compact, streamlined design that allows it to polish even difficult to reach areas. That ensures it is a fast and effective polishing machine - indeed, its random orbital action produces particularly impressive results when buffing out sanding scratches. The optional side handle (included in the kit) provides an extra gripping point to further increase control and reduce effort.

### MIRKA® ROP2 312NV 77 mm

#### Technical specifications

Orbit (mm)	12
Weight (kg)	1.1
Noise level (dB)	80
Power (W)	276
Speed (rpm)	10,000
Work pressure (bar)	6.2
Air consumption (l/min)	538
Dust system	Non vacuum



### MIRKA® ROP2 512NV 125 mm

#### Technical specifications

Orbit (mm)	12
Weight (kg)	1.2
Noise level (dB)	81
Power (W)	343
Speed (rpm)	10,000
Work pressure (bar)	6.2
Air consumption (l/min)	594
Dust system	Non vacuum



## MIRKA® RP2 300NV 77 mm

Mirka product code: 8994240311

This MIRKA® RP2 300NV (non vacuum) Two-handed Rotary Polisher is a powerful tool providing a fast way to a perfect finish. The shape allows operators to reach small areas and the two-handed grip gives great stability in polishing operations. The RP2 300NV has a unique housing design, which allows the sander to be placed on its back without activating the throttle lever. The speed is easy to adjust due to the side mounted speed control. The curved throttle lever provides unparalleled durability with perfect ergonomics and the optional side handle gives a stable grip and reduces vibration. MIRKA® RP2 300NV is also equipped with an optional hanger for convenient storage. The package includes a side handle, a hanger and a 77 mm grip backing pad no holes.



### MIRKA® RP2 300 NV 77 mm

#### Technical specifications

Weight (kg)	0.96
Noise level (dB)	85
Power (W)	343
Speed (rpm)	3,000
Work pressure (bar)	6.2
Air consumption (l/min)	594
Dust system	Non vacuum

# POLISHERS AND POLARSHINE® PO

## MIRKA® RP 300NV 77 mm

Mirka product code: 8993540311

This MIRKA® RP 300NV Rotary Polisher is a powerful tool providing a fast way to a perfect finish. The shape allows operators to reach small areas. The RP 300NV offers a quick and effective polishing process. This 77 mm polisher is designed to be used for smaller polishing jobs such as in paint rectification processes after using Polarstar SR products and in polishing processes for restoring of head lights.



## MIRKA® RP 300NV 77 mm

### Technical specifications

Weight (kg)	0.55
Noise level (dB)	81
Power (W)	209
Speed (rpm)	3,000
Work pressure (bar)	6.2
Air consumption (l/min)	481
Dust system	Non vacuum

## MIRKA® LAMBSWOOL PRO POLISHING PAD

Mirka product code: 80 mm 7990082111 150 mm 7991500211

The pad is made of premium wool fibres. The wool fibers are optimized to keep the performance on a high level for demanding use. An excellent result is achieved when using the pad in combination with Mirka Polarshine compounds 35, 15 and 10. The pad is suitable for polishing all kinds of paintworks in ART applications.



## MIRKA® YELLOW WAFFLE POLISHING PAD

Mirka product code: 85 mm 7993408521 150 mm 7993415021

A polishing pad with medium density hardness and waffle shape. The durable reticulated foam has an excellent elasticity. The waffle shape has an optimized pattern which improves the cutting performance and reduces the surface temperature during the polishing process. The pad is designed to be used in combination with Mirka Polishing Compounds, for both cutting with Polarshine 15 and polishing with Polarshine 10 and 8. The foam pad is suitable for polishing all kinds of paintworks in the ART sectors.





# LISHING ACCESSORIES

## MIRKA® YELLOW POLISHING PAD

**Mirka product code: 85 mm 7993408511 150 mm 7993415021**

A flat polishing pad with medium density hardness. The durable reticulated foam has an excellent elasticity. The pad is designed to be used in combination with Mirka Polishing Compounds, for both cutting with Polarshine 15 and polishing with Polarshine 10 and 8. The foam pad is suitable for polishing all kinds of paintworks in the ART sector.



## BLACK FLAT POLISHING PAD

**Mirka product code: 150 mm 7993100111**

A polishing pad for fine polishing and hologram removal with high gloss finish.



## MIRKA® SOFT MICROFIBER CLOTH

**Mirka product code: 7991200111**

A yellow soft microfiber cloth, with a fine structure. Absorbs residue well and is washable.



## POLARSHINE® PAD WASHER

**Mirka product code: 9195000111**

The Polarshine pad washer is a professional system for cleaning wool and foam pads. It is designed to be used with a circular polisher (not orbital). The pad washer is a versatile and durable product. A clean pad ensures a good polishing result and extends the life of the polishing pads.



## PAD CLEANING TOOL

**Mirka product code: 9195050111**

The pad cleaning tool is a hand-held cleaning tool for wool and foam pads. Use the wheels to clean the pads by rolling the tool over the spinning pad. Use the abrasive plates on the side to level and reshape foam pads.





# ABRASIVES

**Mirka is a world leader in abrasives technology and innovation. We are offering a complete range of technically superior, high quality coated, net and non-woven abrasives for surface finishing in discs, strips, sheets, rolls and belts.**

# NET BY MIRKA

Mirka's innovative 'Net' sanding concept is unlike any other. The patented construction consists of a dense network of polyamide fabric threads onto which the abrasive grit is bonded. This open weave, net structure means that no dust particle is more than 0.5mm from a dust extraction hole. The result is phenomenal dust extraction across the entire abrasive surface and virtually dust-free sanding!

The exceptional dust extraction ability of the Mirka Net products has to be seen to be believed. Tests have shown that Net products produce a miniscule amount of dust compared to conventional dry sanding technology with extraction. The Mirka Net products are so efficient at removing potentially dangerous sanding dust they minimize dust contamination in the workplace and creates a far healthier environment.

Mirka Net products eliminate the frustrating problem of dust clogging the abrasive and creating pills which cause defects in the sanding surface. Therefore, the Net product retains its original aggressive sanding performance for far longer resulting in fewer abrasives being needed for a given job. Since dust is continuously being sucked away it's always possible to see exactly what is happening at the sanding surface. This gives the user greater control over the job and avoids problems such as over sanding.

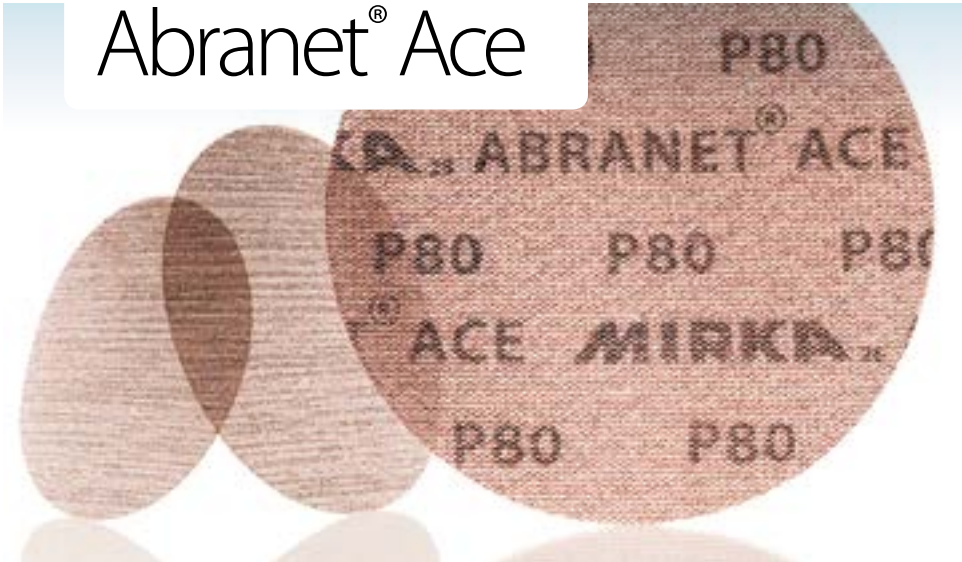
The Mirka sanding Nets are completely even. With thousands of holes they provide a phenomenal dust extraction. The maximum distance from each sanding particle to the closest dust extraction hole is 0.5 mm.


Long-term investment in innovation pays off. Mirka was the first abrasives company in the world to develop a dust-free sanding system. It was a five-year process to bring this revolutionary technology to the market and almost ten years to gain buy-in to the market. It has been well worth it. Our net abrasives have won many product innovation awards and have been a best seller across the globe. The story will continue.



**NO DUST**

# Abranet<sup>®</sup> Ace



 An addition to the growing dust-free net family. This product is developed for tougher and more demanding sanding applications. Because of its optimized net construction and ceramic grains, Abranet Ace offers superior cut and performance for hard wood (such as beech and oak) and a fast cutting on various solid surface materials. Abranet Ace is also working excellent on primer sanding applications, creating an optimal performance and life time.

### Technical specifications

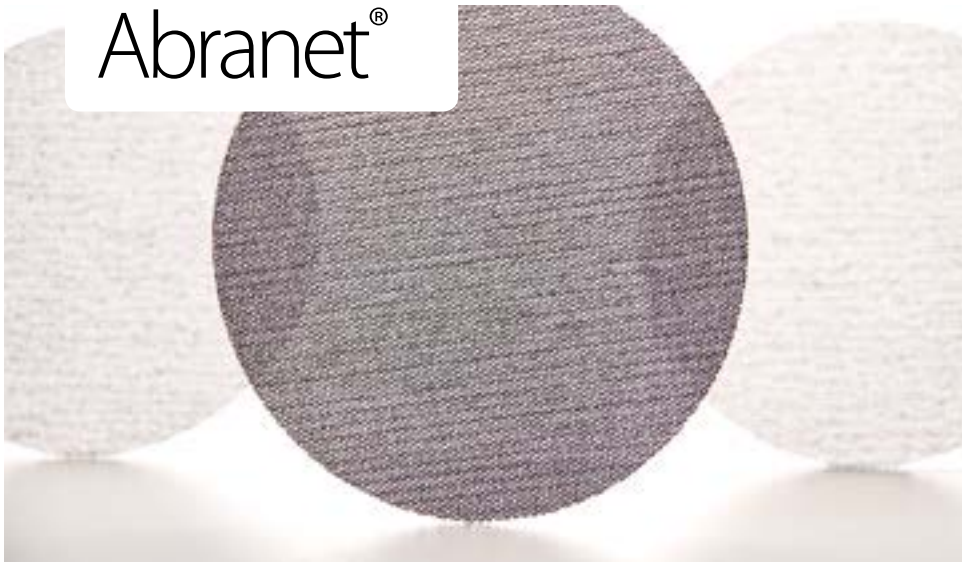
<b>Grain</b>	Ceramic/Ceramic coated
<b>Bonding</b>	Resin over resin
<b>Backing</b>	Net
<b>Coating</b>	Closed
<b>Colour</b>	Grey
<b>Grit range</b>	P80–P240, P320–P800


Available as:



77 mm  
 125 mm  
 150 mm

# Abranet<sup>®</sup>



 The original multifunctional and dust-free net abrasive, especially developed for sanding putty, primers, lacquers, composite materials and a large amount of other materials for industrial use. Abranet combines high performance and a longer lifespan than traditional abrasives, making it a cost effective solution. Designed for dry sanding by machine or by hand, its true dust-free sanding characteristics result in a cleaner work environment, as well as a better surface finish.

### Technical specifications

<b>Grain</b>	Aluminium oxide
<b>Bonding</b>	Resin over resin
<b>Backing</b>	Polyamide fabric
<b>Coating</b>	Closed
<b>Colour</b>	Brown / white
<b>Grit range</b>	P80–P180, P240, P320–P1000

Available as:



77 mm	70 x 125 mm	75 mm x 10 m
125 mm	70 x 198 mm	75 mm x 25 m
150 mm	70 x 420 mm	93 mm x 10 m
	81 x 133 mm	115 mm x 10 m
	93 x 180 mm	115 mm x 25 m
	115 x 230 mm	

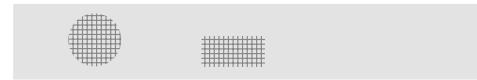


# Autonet®

📌 Specially developed for the automotive refinishing industry, Autonet is a new-age surface finishing solution offering speed, efficiency and an amazing dust extraction ability. The patented construction eliminates clogging and pilling and ensures a long lifespan, while other highlights include excellent initial aggressivity, reduced edge wear in finer grits and a versatile range to suit any application.

Technical specifications	
<b>Grain</b>	Aluminium oxide
<b>Bonding</b>	Resin over resin
<b>Backing</b>	Polyamide fabric
<b>Coating</b>	Closed
<b>Colour</b>	Grey
<b>Grit range</b>	P80, P120–P320, P400–P800

Available as:



- 77 mm
- 125 mm
- 150 mm
- 70 x 125 mm
- 70 x 198 mm
- 70 x 420 mm
- 81 x 133 mm
- 93 x 180 mm
- 115 x 230 mm



# Abranet® HD

📌 Abranet HD is achieving outstanding results on the most challenging surface conditioning and repair applications such as paint stripping and , coarse putty sanding. Abranet HD has a nylon mesh backing material (in contrast to paper) to create a more flexible and durable abrasive product which produces a more consistent surface finish more quickly. Designed for optimum performance in wet and dry modes, it features exceptional resistance to edge wear and clogging which means it retains its high efficiency sanding properties for far longer, especially in demanding situations. It's also manufactured using an environmentally friendly, solvent-free coating.

Technical specifications	
<b>Grain</b>	Special aluminium oxide
<b>Bonding</b>	Resin over resin
<b>Backing</b>	Nylon mesh
<b>Coating</b>	Semi-open
<b>Colour</b>	Brown / white
<b>Grit range</b>	P40, P60, P80, P120–P180

Available as:



- 125 mm
- 150 mm

**THE STAR FAMILY** Mirka's film abrasives have been specifically developed to efficiently tackle the latest demanding coatings applications and uses a polyester film backing material (in contrast to paper) to create a more flexible and much smoother abrasive surface. As a result the abrasives produce a finer, more consistent surface finish more quickly and, because it also has excellent resistance to clogging, it lasts longer, too.



## Microstar®

Microstar, is designed for mattening and paint rectification of top- and clear coat applications. Microstar has a special stearate layer and a smooth film backing. This product has a high quality finish and lasts longer as it doesn't clog as easily as traditional products. Microstar produces a fine scratch pattern that is easy to polish out. For a perfect result, it is recommended to use Microstar with a 5 mm interface pad. Microstar is developed for dry sanding only.

Technical specifications	
<b>Grain</b>	Aluminium oxide
<b>Bonding</b>	Low VOC resin system
<b>Backing</b>	Polyester film
<b>Coating</b>	Semi-open
<b>Colour</b>	White
<b>Grit range</b>	P800, P1000, P1200, P1500

Available as:



77 mm  
125 mm  
150 mm



## Polarstar®

Developed to efficiently tackle the latest demanding coatings applications, Polarstar quickly produces a fine, consistent surface finish and combines that with superb durability due to an excellent resistance to clogging. The polyester film backing material creates a more flexible and much smoother abrasive surface, compared to paper backing. In particular, it offers outstanding performance on hard tooling gelcoats and scratch resistant clearcoats.

Technical specifications	
<b>Grain</b>	Aluminium oxide/Silicon carbide
<b>Bonding</b>	Resin over resin
<b>Backing</b>	Polyester film
<b>Coating</b>	Semi-open
<b>Colour</b>	Green
<b>Grit range</b>	P320-P1500


Available as:



77 mm  
125 mm  
150 mm

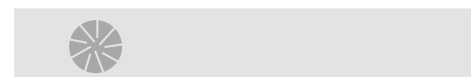


# Polarstar® SR

 Polarstar SR is the first in a series of new high technology micro products produced by Mirka. This innovation curing technology is energy saving with a low carbon footprint. This sanding film is mainly developed for spot repair, used at car plants in the finessing- and hospital area of the paint shops. The Polarstar SR products are also used in the automotive refinish processes. This product is primarily designed for wet sanding, for correction of small painting defects and removing of dust particles in top coats and clear coats. Suitable for both machine and hand sanding.

Technical specifications	
<b>Grain</b>	Aluminium oxide (SR3, SR5, SR7), Silicon Carbide (SR5)
<b>Bonding</b>	Resin over resin
<b>Backing</b>	Polyester film
<b>Coating</b>	Defined Mono layer Coating technology
<b>Adhesive</b>	Water resistant PSA
<b>Release paper</b>	Paper with printed id/traceability information
<b>Colour</b>	Pale yellow (SR3), Mint green (SR5), Lilac (SR7)
<b>Grit range</b>	3 micron (equivalent to P5000), 5 micron (equivalent to P3000), 7 micron (equivalent to P2500)


Available as:



32 mm

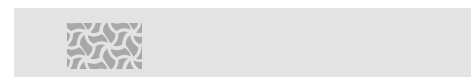


# Aquastar®

 Aquastar, an innovative patented flexible film abrasive, is the ultimate and user-friendly choice with an excellent touch & feel property, for wet hand sanding applications. This product has a flexible plastic based backing, and a pattern consisting of multiple abrasive zones surrounded by interconnected channels. Polypropylene (PP) is an excellent backing material due to its flexibility, durability and water tightness, avoiding the need of pre-soaking of Aquastar before use. Aquastar is mainly developed for wet sanding of clear coats and primers used in bodyshops and designed to be used in any direction on the surface with the same efficiency, giving a consistent sanding result.

Technical specifications	
<b>Grain</b>	Aluminium oxide
<b>Bonding</b>	UV/EB curable resins
<b>Backing</b>	Polypropylene (PP) with integrated anti-slip
<b>Coating</b>	Closed
<b>Colour</b>	Red P400–P800 White P1000–P2000
<b>Grit range</b>	P400–P2000

Available as:



115 x 140 mm Perforoll

**THE GOLD FAMILY** The Mirka Gold products have become a classic abrasive which gives a great performance within a lot of different applications. The tough latex coated paper base makes Gold a balanced flexible product with a good initial cut and good durability. The full resin bonding and the even grain coating provide a constant stock removal and an excellent surface finish.

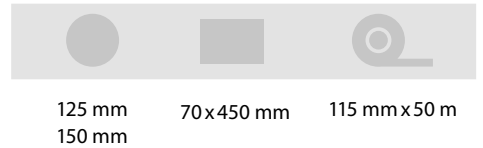


# Gold

⚡ This durable, all-round sanding material is very well suited for tackling all kind of applications within the automotive sector. Gold features semi-open and special stearate coatings designed to prevent clogging and pill forming which helps achieve an optimal sanding result.

Technical specifications	
<b>Grain</b>	Aluminium oxide
<b>Bonding</b>	Resin over resin
<b>Backing</b>	D-Paper/C-Paper
<b>Coating</b>	Semi-open
<b>Colour</b>	Gold
<b>Grit range</b>	P80–P800

Available as:



# Gold Soft Grip

⚡ Gold Soft is a sanding disc with optimal foam thickness. The semi-open grain coating gives a less dust clogging and better cutting performance. The soft backing gives an excellent paint finish. A softer disc edge eliminates damages on profile sanding. Gold Soft P500 is suitable for primer sanding applications and P800 for mattening clear coats.

Technical specifications	
<b>Grain</b>	Aluminium oxide
<b>Bonding</b>	Resin over resin
<b>Backing</b>	C-Paper with PE-Foam
<b>Coating</b>	Semi-open
<b>Colour</b>	Gold
<b>Grit range</b>	P320, P500, P800


Available as:







# Goldflex-Soft

 The soft and flexible Goldflex Soft has been developed for sanding profiled surfaces and irregular, difficult-to-reach details by hand. Goldflex Soft is especially useful within the automotive industry and the car repair branch. The foam base is grip friendly and applies pressure evenly, which reduces the risk of sanding through the surface. The special stearate coating prevents clogging. Suitable for both dry and wet sanding.

## Technical specifications

<b>Grain</b>	Aluminium oxide
<b>Bonding</b>	Resin over resin
<b>Backing</b>	A-latex paper, PE-foam
<b>Coating</b>	Semi-open
<b>Colour</b>	Gold
<b>Grit range</b>	P150–P320, P400–P1000

Available as:

115 x 125 mm Perforoll

**HIGH QUALITY PAPER ABRASIVES** Durable and high quality paper abrasives for achieving an optimal sanding result. All-round products for multipurpose use and suitable for both machine- and handsanding. Our wide product range covers the full scale from coarse to fine.



Technical specifications	
<b>Grain</b>	Aluminium oxide/Silicon carbide
<b>Bonding</b>	Resin over resin
<b>Backing</b>	D-Paper/C-Paper/B-Paper
<b>Coating</b>	Semi-open
<b>Colour</b>	Blueish
<b>Grit range</b>	P80–P320, P400–P500, 600–1500

Available as:

Disc shape	Disc size
Circle	77 mm
Square	70 x 125 mm
Circle	125 mm
Square	70 x 198 mm
Circle	150 mm
Square	70 x 420 mm
	81 x 133 mm
	93 x 180 mm
	115 x 230 mm



Technical specifications	
<b>Grain</b>	Aluminium oxide
<b>Bonding</b>	Resin over resin/Progressive Bond™
<b>Backing</b>	Specially reinforced F-paper
<b>Coating</b>	Semi-open
<b>Colour</b>	Maroon
<b>Grit range</b>	P36–P40, P60–P150

Available as:

Disc shape	Disc size
Circle	77 mm
Square	70 x 420 mm
Circle	125 mm
Square	115 x 230 mm
Circle	150 mm

**ABRALON** is specifically developed for surface preparation and finishing prior to polishing. Used in this mode Abralon produces an ultra-fine, consistent surface finish that is perfect for speeding up the polishing process.



Abralon®

⚡ Abralon is a unique, multifunctional sanding material developed for tackling both smooth and profiled surfaces. Its patented, flexible construction allows it to create a smooth sanding pattern on angled surfaces and edges while minimising the risk of pressure marks. The flexible weave also allows water and air to pass freely, making it suitable for both dry and wet sanding, by machine or by hand.

#### Technical specifications

<b>Grain</b>	Silicon carbide
<b>Bonding</b>	Special resin
<b>Backing</b>	Knitted fabric on foam
<b>Coating</b>	Special Abralon® method
<b>Colour</b>	Grey
<b>Grit range</b>	180, 360, 500, 600, 1000, 2000, 3000, 4000

Available as:



77 mm  
125 mm  
150 mm

115 x 140 mm



**THE MIRLON® RANGE** The Non Woven product range for contoured surface conditioning, cleaning and finishing.



Thanks to its special structure, Mirlon is a flexible, three-dimensional fibre sanding material that's easy to use on profiled surfaces and produces an excellent finish. It's ideal for matting of surfaces and creates an excellent base for the next lacquer layer.

Technical specifications	
<b>Grain</b>	Aluminium oxide (GP,VF) Silicon carbide (UF,MF)
<b>Bonding</b>	Resin
<b>Backing</b>	Non woven
<b>Coating</b>	Three dimensional
<b>Colour</b>	Green (GP)/Red (UF)/ Dark grey (UF)/Brownish (MF)
<b>Grit range</b>	General Purpose 320, Very Fine 360, Ultra Fine 1500, Micro Fine 2000

Available as:

		
150 mm	152 x 229 mm	100 mm x 10 m 115 mm x 10 m



Developed using Mirka's innovative Total Coating™ Technology, Mirlon Total is more aggressive than Mirlon and produces a dense scratch pattern and rapid result. Suitable for use in wet and dry modes, it features an open and flexible structure and strengthened fibres which make it strong and long-lasting.

Technical specifications	
<b>Grain</b>	Aluminium oxide (VF) Silicon carbide (UF,MF)
<b>Bonding</b>	Resin
<b>Backing</b>	Non woven
<b>Coating</b>	Three dimensional Total Coating
<b>Colour</b>	Red (VF)/Grey (UF)/Beige (MF)
<b>Grit range</b>	VF 360, UF 1500, MF 2500

Available as:


115 x 230 mm

**Very Fine (360)** is recommended for primary sanding of new parts, old paint layers and sanding of repairs before applying primer.

**Ultra Fine (1500)** is recommended for enhancing mechanical adhesion and panel blending.

**Micro Fine (2500)** is ideal for removing overspray and dirt nibs.

# MIRKA TOOLS AND ACCESSORIES



➔ Mirka offers a wide range of sanders and polishers that provide a complete sanding solution and ensure that customers get the very best from using Mirka abrasive products. A wide selection of genuine Mirka accessories is available to complement the company's extensive range of abrasives, polishes and tools. The range is constantly being updated as market needs change and new technology becomes available.



Scan this QR code for more information about the products on our website [www.mirka.com](http://www.mirka.com). Check also our videos on the Mirka YouTube channel [www.youtube.com/KWHMirkaLtd](http://www.youtube.com/KWHMirkaLtd)

# The Sandman®



👉 The Sandman is Mirka's professional trainer and consultant, supporting customers to perform better. By taking advantage of the best from the high-tech Mirka range, the surface preparation is done easy and with a perfect result. The combination of net sanding and other unique abrasive and polishing products, together with Mirka's innovative and ergonomic tools, gives the operator benefits that simply cannot be achieved with a conventional system.





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Finland

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**China** Mirka Trading Shanghai Co., Ltd

**Finland & Baltics** KWH Mirka Ltd

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For contact information,  
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Quality from start to finish

