

**MIRKA**



## Automotive Industry Solutions





# About Mirka

**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.

97 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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Every year more than 90 million vehicles are produced worldwide. The automotive original equipment manufacturing industry is a prioritized sector for Mirka. Our goal is to be a partner that provides overall solutions for the industry. We work closely with our customers to develop innovative and

advanced solutions. We are developing healthier, safer and more efficient products and processes to benefit our customers.

The dust-free sanding concept developed by Mirka offers many advantages, making the processes faster, more efficient and cost-effective.





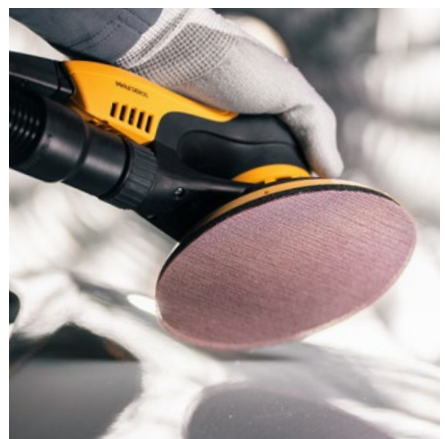
## NET SANDING PRODUCTS

**MIRKA'S INNOVATIVE** net sanding concept is unlike any other. The 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 0,5 mm from a dust extraction hole. The result is phenomenal dust extraction across the entire abrasive surface and virtually dust-free sanding.

Tests have shown that net sanding produces a minuscule amount of dust in comparison to conventional dry sanding with extraction. Mirka net sanding products are so efficient at removing potentially dangerous sanding dust that workplace dust contamination is minimized, creating a far healthy working environment.

It was a five-year process to bring this revolutionary technology to the market and it took almost ten years to gain buy-in to the market. Our net abrasives have won many product innovation awards and been a best seller across the globe.

Mirka has also developed a net sanding product suitable for preparing corrosion sensitive surfaces, as use of aluminium based materials increases together with demand from OEMs for sanding corrosion sensitive surfaces. Special raw materials containing the lowest possible amounts of heavy metal contaminants have been used when producing Abranet NC and other abrasives belonging to the non-corrosive product range.

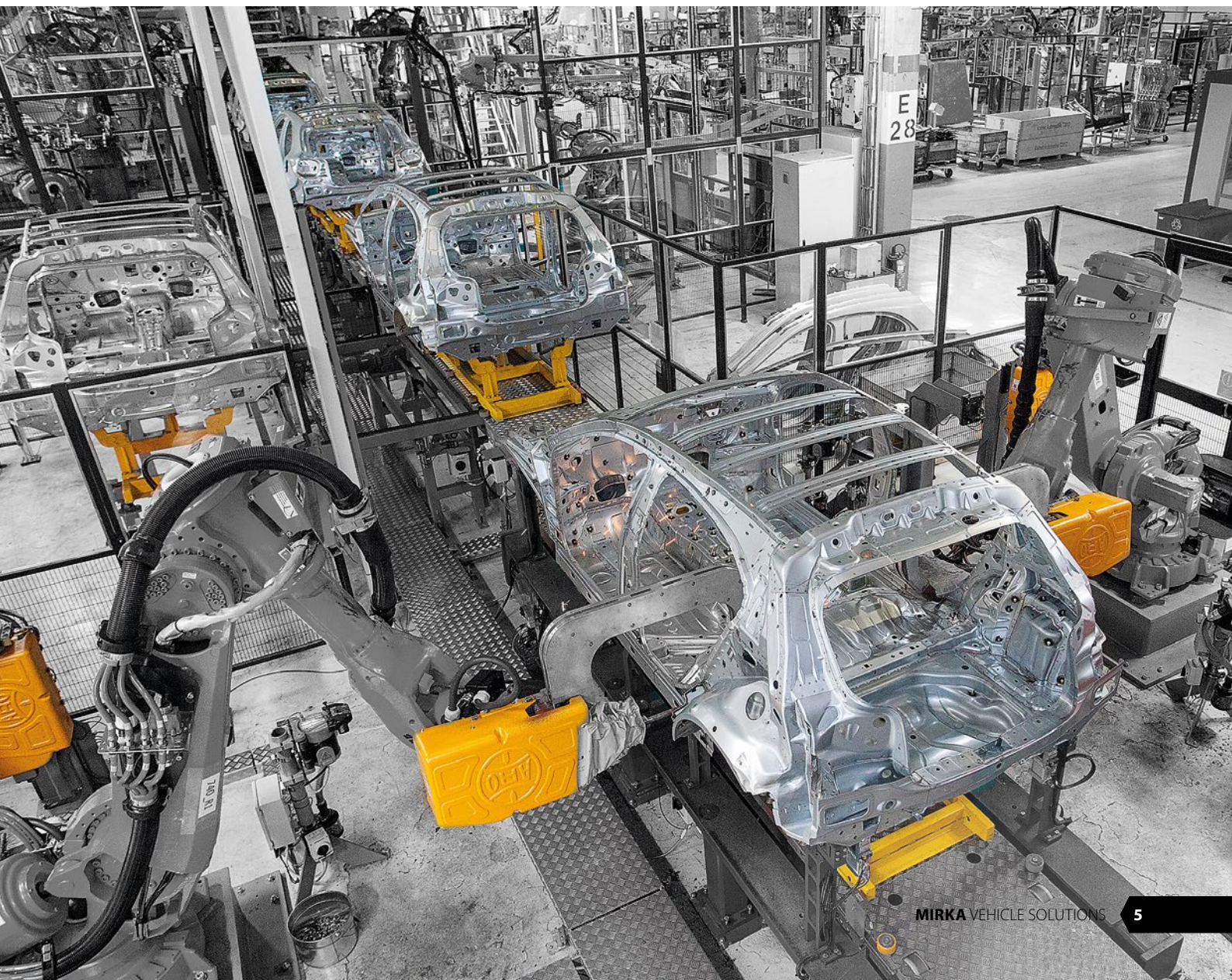




# MIRKA BODY IN WHITE

The range of products in the body in white process is today much wider than earlier. New materials, such as aluminium, carbon-fibre-reinforced plastics, composites and other types of plastics, are used together with traditional steel. This means that the abrasive range also has to be wider and suitable for these different substrates.

Mirka offers a wide range of abrasives suitable for all the materials mentioned above.





# MIRKA BODY IN WHITE **STEEL**



## GRINDING

» Mirka® ANGOS ARG-B 200 cordless grinding tool can be used with a variety of accessories when grinding and sanding metal, cleaning after welding and can also be used for surface conditioning, cutting and deburring and when doing paint removal.

### CORDLESS TOOLS AND ABRASIVE RECOMMENDATIONS



» Mirka® ANGOS ARG-B 200 **CORDLESS**



» CER Quick Disc  
(P80–P120)



» Conditioning  
Quick Disc Red  
medium (50 mm)



» Conditioning  
Quick Disc Brown  
coarse (50 mm)

### PNEUMATIC TOOLS AND ABRASIVE RECOMMENDATIONS



» Mirka® PBS 10/13NV **PNEUMATIC**



» CER File Belt  
(P80–P120)



» ZIR File Belt  
(P80–P120)



» Conditioning  
File Belt



# MIRKA BODY IN WHITE **STEEL**



## SCRATCH CONDITIONING

» The Mirka® DEROS 650CV tool together with Abranet Ace HD, Mirka Galaxy or Coarse Cut abrasives are effective when doing scratch conditioning.

### ELECTRIC TOOLS AND ABRASIVE RECOMMENDATIONS



» Mirka® DEROS **ELECTRIC**

» Abranet® Ace HD  
(P120–P180)

» Mirka® Galaxy  
(P120–P180)

» Coarse Cut  
(P120–P180)

### PNEUMATIC TOOLS AND ABRASIVE RECOMMENDATIONS



» Mirka® PROS **PNEUMATIC**

» Abranet® Ace HD  
(P120–P180)

» Mirka® Galaxy  
(P120–P180)

» Coarse Cut  
(P120–P180)



# MIRKA BODY IN WHITE **ALUMINIUM**



## GRINDING

» Aluminium sanding requires finer sanding compared to steel sanding. The Abranet® Max Flap Disc leaves an excellent surface quality for subsequent paint application, which eliminates the need for an additional processing step. Minimal clogging guarantees an even and stable sanding. Last longer than traditional flap discs.

### CORDLESS TOOLS AND ABRASIVE RECOMMENDATIONS



» Mirka® ANGOS ARG-B 200 **CORDLESS**

» Abranet Max mini flap disc (P80–P120)

## MIRKA NON-CORROSION PRODUCT RANGE

» The preparation of corrosion sensitive surfaces, such as aluminium, requires products which contain the lowest possible amount of heavy metals to avoid contamination.

Contamination can cause corrosion. Mirka is one of the first abrasive producers providing a full range of non-corrosion products, from net to paper based and non-woven discs and sheets.



» Abranet® Max  
• P40–P120  
• flap discs



» Mirlon® NC  
• VF-360  
• rolls, discs & sheets



» Abranet® NC  
• P80–P600  
• discs and sheets



» Abralon® (Standard)  
• All Grits  
• discs and sheets



» Abranet Ace  
• P80–P500  
• discs



# MIRKA BODY IN WHITE ALUMINIUM



## SCRATCH CONDITIONING

» Special raw materials containing the lowest possible amounts of heavy metal contaminants have been used in the NC product range. Use Mirlon NC to remove sanding marks from the first step, in order to achieve an optimal surface before the application of the E-coat.

### STEP 1: TOOLS AND ABRASIVE RECOMMENDATIONS



» Abranet NC  
(P150–P240)



» Abranet Ace  
(P320–P400)

» Mirka® DEROS **ELECTRIC**  
OR Mirka® PROS **PNEUMATIC**

### STEP 2: TOOLS AND ABRASIVE RECOMMENDATIONS



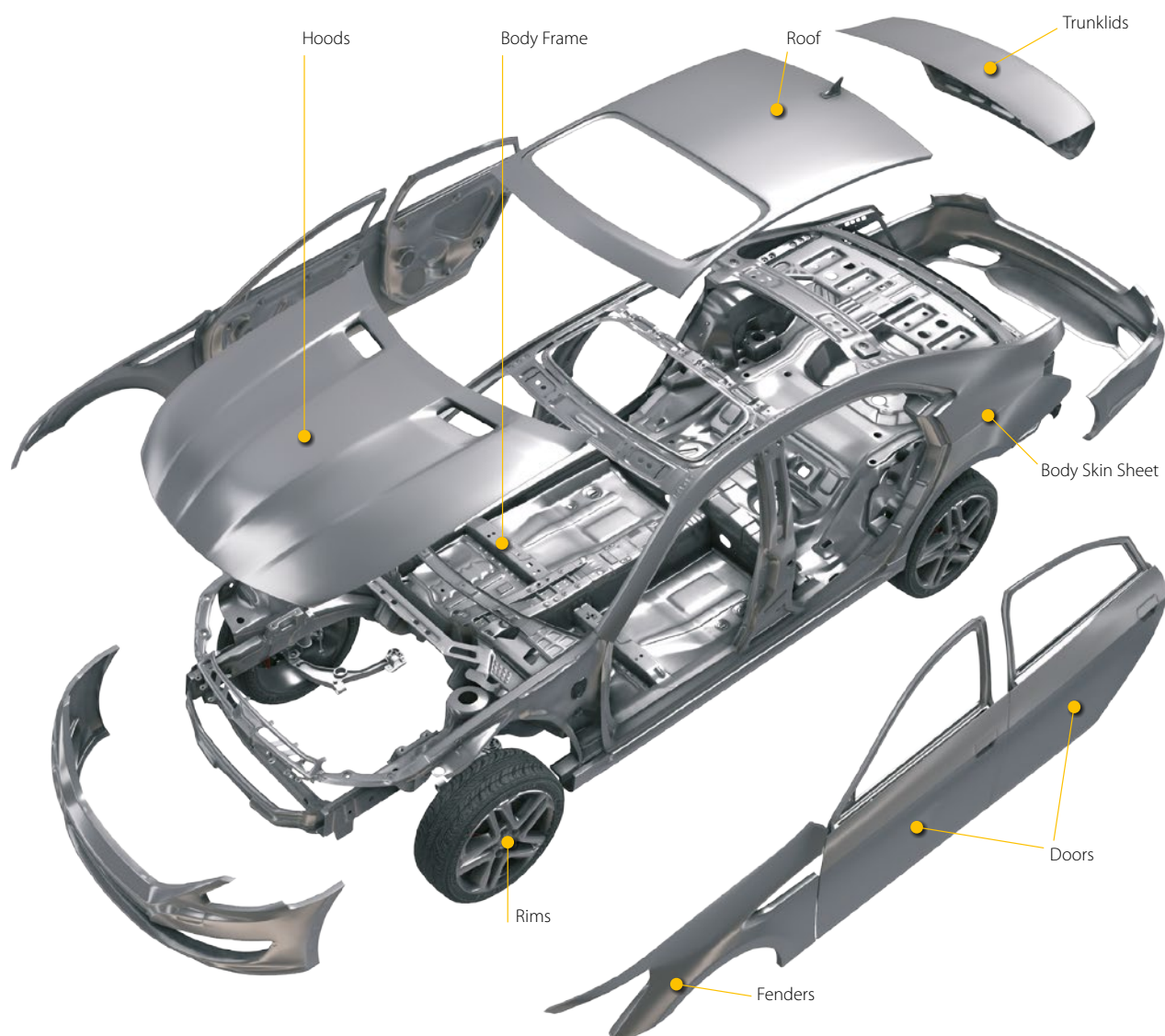
» Mirlon NC (VF)  
(P360–P500)



» Abralon  
(P360–P500)

» Mirka® DEROS **ELECTRIC**  
OR Mirka® PROS **PNEUMATIC**

# ALUMINIUM AUTOMOTIVE APPLICATIONS TODAY



**WHY NC PRODUCTS?** Traditional abrasive products contain significant amounts of heavy metals, such as iron, chromium and copper. During the sanding operation, impurities can contaminate the aluminium surface. Scratches or defects in the paint or oxide layer (eloxated aluminium), which occur after the finishing process, can trigger the corrosion process. Parts of the car body, such as bonnets and fender edges, which are exposed to stone chipping and other damages, are also at risk.

**Mirka Ltd. was the first to introduce NC products on the market, and has a unique range of Non-corrosive (NC) products.**

## THE EVIDENCE OF HEAVY METALS IN NON-CORROSION ABRASIVES

Products	Fe	Cr	Cu	Zn	Ni
Mirlon® NC (Very Fine) – 360	62	5.3	<4	1.3	<4
Competitive non-woven abrasive	1,190	26	6	14	6
Abranet® NC P180	70	4.1	2.2	2.1	<3
Competitive paper abrasive	490	5.9	5.5	5.7	–
Abralon® 360	6.7	3.1	<3	1.6	5
Competitive foam abrasive	97	19	6.7	2.6	–

AOEM heavy metal content requirement in abrasive products



# MIRKA BODY IN WHITE TOOLS



## MIRKA POWER TOOLS

### TOOL RECOMMENDATIONS



Mirka® DEROS

#### ELECTRIC

**Mirka® DEROS:** Powerful, silent and ergonomic electric sander for steel random orbital sanding applications.



Mirka® PROS

#### PNEUMATIC

**Mirka® PROS:** Strong and ergonomic pneumatic sander for steel and aluminium random orbital sanding applications.



Mirka® AROS-B / AOS-B

#### CORDLESS

**Mirka® AROS-B 150NV (Orbit 5.0) & Mirka® AOS-B 130NV (Orbit 3.0):** Small, ergonomic orbital sanders for sanding with quicklock discs and removing small defects in steel and aluminium. 4000-8000 rpm.



Mirka® ROS2

#### PNEUMATIC

**Mirka® ROS2:** Powerful and efficient two-handed sander for steel and aluminium random orbital sanding applications where a fast cut is needed.



Mirka® ANGOS

#### CORDLESS

**Mirka® ANGOS:** A light weight, comfortable, balanced tool with ergonomic design. Has a wide 2500-20000 rpm adjustability of tool speed.



Mirka® PBS

#### PNEUMATIC

**Mirka® PBS:** Optimal Pneumatic Belt Sander tool for cleaning up welding seams, body repair and for removing rust and paint in body shop work and collision repair.

# E-COAT AND PRIMER

Electro-coating provides rust protection and it is the only fully covering layer.

As the primer layer hides defects, it is only applied on visible surfaces.

For these processes Mirka offers a wide range of abrasives, tools and accessories. Mirka's unique dust-free solution, consisting of net abrasives together with Mirka tools, is a superior choice.





# E-COAT - HAND SANDING (DAMP/DRY)

## HAND SCUFFING (DRY)



» Mirka scuffing pad with Abranet Products P500–P600 for finding and highlighting defects in E-coat.

### ABRASIVE RECOMMENDATIONS

#### P500 – P600



» Mirka® Hand pad (150 mm)

» Abranet® Ace

## DOME PAD (DAMP)



» The ergonomic hand sanding pad with Abranet Ace or Mirka Galaxy products P320–P500.

### ABRASIVE RECOMMENDATIONS

#### P320 – P500



» Mirka® Dome pad (77 mm)

» Abranet® Ace OR Mirka® Galaxy

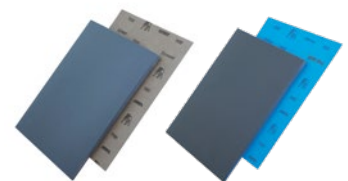
## PROFILE SANDING (DRY)



» Goldflex Soft, Ecowet or WPF Pro P320–P500.

### ABRASIVE RECOMMENDATIONS

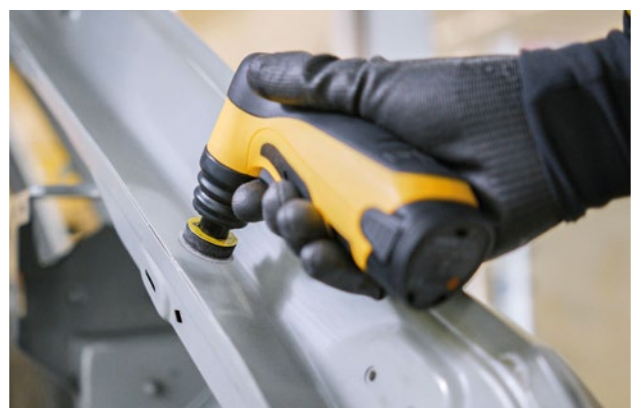
#### P320 – P500



» Goldflex Soft

» Ecowet or WPF PRO (115 x 140 mm)

## E-COAT - MACHINE SANDING (DRY)



### FOR **NARROW** AREAS

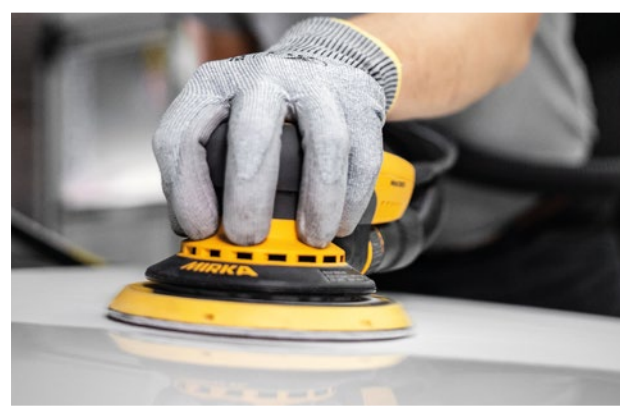
» Mirka® AOS-B 130NV with Abranet® Ace P400.  
For sanding hard-to-reach areas.

#### CORDLESS TOOLS & ABRASIVE RECOMMENDATIONS **P230 – 500**



» Mirka® AOS-B 130NV

» Abranet® Ace (34mm)



### FOR **LARGER** AREAS

» Mirka® DEROS or Mirka® PROS with Abranet® Ace  
or Mirka® Galaxy products P320–P400. For sanding larger areas.

#### ELECTRIC TOOLS & ABRASIVE RECOMMENDATIONS **P320 – P500**



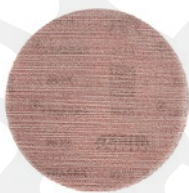
» Mirka® DEROS  
650CV

» Abranet® Ace or  
Mirka® Galaxy

» DE 1230  
M-class

### A dust-free solution

Combining Mirka Abranet products with Mirka's dust extraction system gives you a dust-free solution. This minimizes the need for post-paint re-work, which saves you both time and money.



NO DUST



# PRIMER - HAND SANDING (DAMP/DRY)

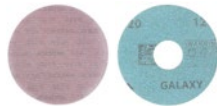


## DOMES PAD SANDING (DAMP)

» The ergonomic hand sanding pad with Abranet Ace P600–P1000.

### ABRASIVE RECOMMENDATIONS

#### P600 – P1000



» Mirka® Dome pad (77 mm)

» Abranet® Ace OR Mirka® Galaxy



## PROFILE SANDING (DRY)

» Abralon or Goldflex Soft P600–P1000 for profiles and hard-to-reach areas.

### ABRASIVE RECOMMENDATIONS

#### P600 – P1000



» Abralon®

» Goldflex Soft

# PRIMER – MACHINE SANDING

## FOR **NARROW** AREAS

» Cordless Mirka® AOS-B 130NV with Abranet Ace P400. For sanding hard-to-reach areas.

### ABRASIVE RECOMMENDATIONS

**P800**



» Mirka® AOS-B 130NV

» Abranet® Ace (34mm)

## FOR **LARGER** AREAS

» Electric Mirka® DEROS or pneumatic Mirka® PROS with Abranet or Galaxy products P320–P400. For sanding larger areas.

### ABRASIVE RECOMMENDATIONS

**P400 – P800**



» Mirka® DEROS 650CV

» Abranet® Ace or Mirka® Galaxy

» DE 1230 M-class

# E-COAT AND PRIMER **TOOLS**

## MACHINE SANDING



» Mirka® DEROS



» Mirka® PROS



» Mirka® AROS-B 150NV



» Mirka® AOS-B 130NV



» Mirka® Dust Extractor 1230

## HAND SANDING



» Sanding Pad



» Sanding Block Ergo



» Hand Tool for Roses 30 mm



» Sanding Pad Half Round

## A dust-free solution

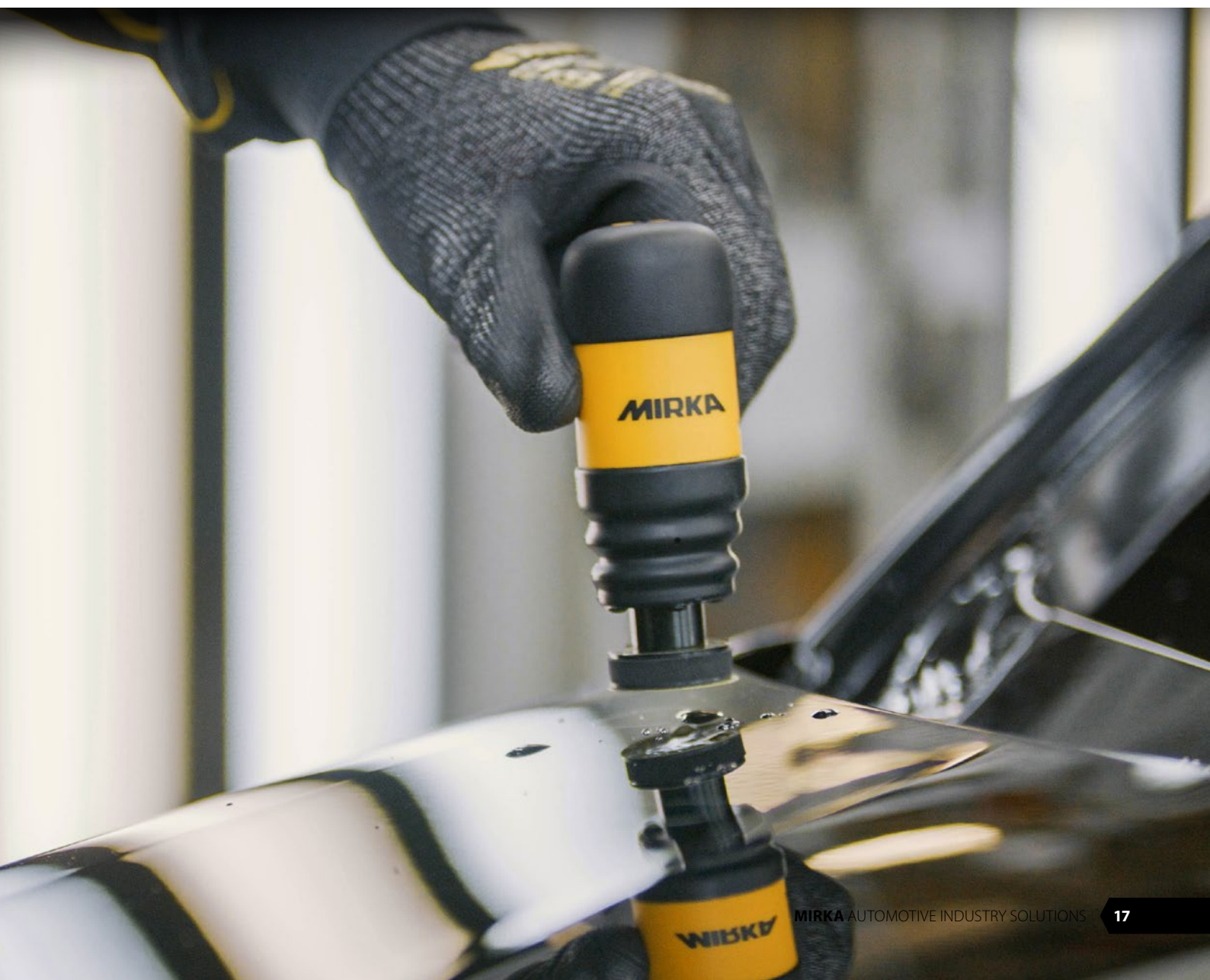
» Combining Mirka Abranet products with Mirka's dust extraction system gives you a dust-free solution. This minimizes the need for post-paint re-work, which saves you both time and money.



# FINESSING

The finessing process is very demanding and requires a great level of precision. The requirements for the products used in the finessing process are very high.

Mirka offers a simple and fast system that functions safely and results in a high-quality surface finish.



# Mirka® PRO Finishing Solution

The PRO Finishing solution consists of several Mirka products. Sanding the imperfections is done with our **cordless spot repair sanders** and **Mirka Iridium™ SR** spot repair discs. The sanded area is then polished using **Mirka cordless polishing machines** and **PRO polishing pads** combined with the **PRO Iridium™ 1250** polishing compound.

## Efficiency with electric tools

By switching to an electric power tool with an efficient brushless motor, there is potential to save as much as 90% of energy on a yearly basis compared to using pneumatic tools. With the same amount of energy it is possible to run ten electric power tools compared to just a single pneumatic power tool. This means getting **ten jobs done with the same amount of energy** – and especially when energy costs have severely risen, the benefits are even more significant.

## Cordless convenience

Mirka cordless tools are light, ergonomic and optimised for spot repair and finessing. Ideal for professionals who appreciate the convenience of cordless. Incredibly nimble, they are quiet, small and need very low maintenance thanks to the brushless motor. Cordless tools are delivered with two 2.5 Ah 10.8V Li-ion batteries and a charger. 5 Ah 10.8V Li-ion batteries are available to buy separately.

## Complete control

With variable speed on the trigger you get easy control of the process by touch. Mirka's cordless tools are top of the range models with Bluetooth connectivity, which means additional options for digitally controlling the process via the myMirka® app.

The latest features are RPM range management and auto-stop function (in-app purchases). It's never been easier to standardise your spot repair or finessing process.

## Easy and Fast Solution for professional spot repair

Dust particles and other defects can be a challenge when striving to manufacture products with a perfect glossy surface. Removing these defects is crucial to achieving a consistent finish. The Mirka Iridium™ SR abrasive features excellent consistency and an extremely long life with its efficient silicon carbide grains. With evenly placed grain on a stable and robust backing, Mirka Iridium™ SR daisy discs produce a world-class, uniform cut and scratch pattern that is fast and easy to polish out.

## One-step polishing

Normally polishing when removing surface defects is a two-step process, where you use one compound to remove the scratch marks from the sanding. PRO Iridium™ 1250 is developed to give you the best of both worlds, meaning you only need to polish once, while still getting a perfect result. PRO Iridium™ 1250 is developed especially for the PRO Finishing Solution.





# Mirka® PRO Finishing Solution tools and accessories



Iridium™ SR 3/5/7



Damper with detergent or water



Soft Micro Fiber Cleaning Cloth



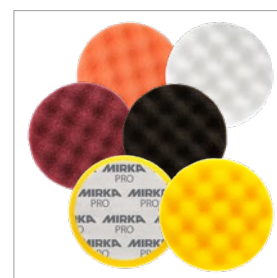
Mirka® AOS-B and AROS-B cordless sanders



Mirka® ARP-B and AROP-B cordless polishers



PRO Iridium™ 1250

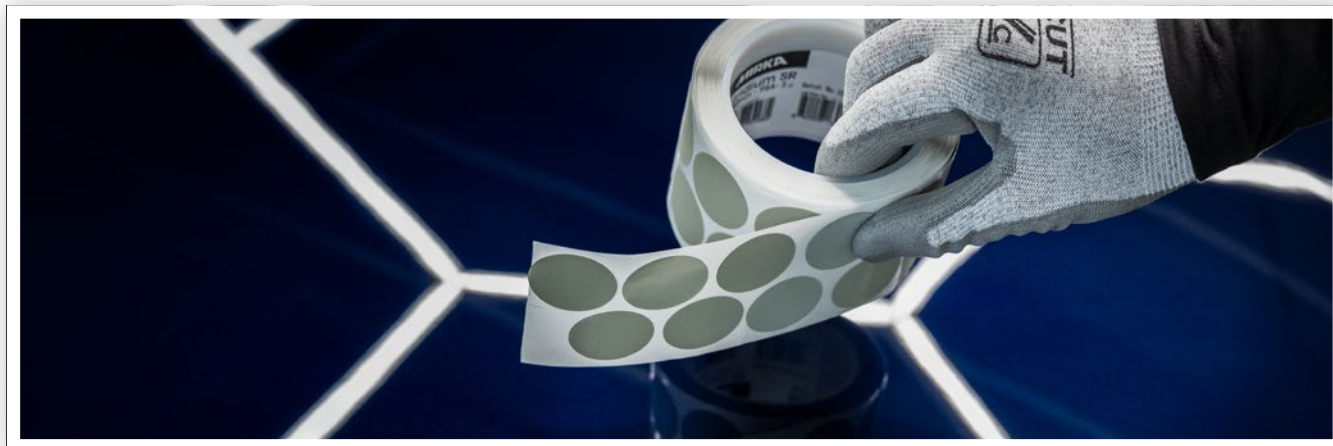


PRO Polishing Foam Pads, waffle



Mirka Multi-purpose belt





# Iridium™ SR

Mirka's **Iridium SR** abrasive features excellent consistency and extremely long use life with its efficient silicon carbide grains. With uniformly placed grain material on a stable and robust backing, Mirka Iridium SR produces a class-leading, uniform cut and scratch pattern that is fast and easy to polish out. Molded onto the carrier material for a uniform surface, the triangular silicon carbide grains form new abrasive edges whenever they break down during the sanding process, prolonging the sharpness of the Iridium SR.



**Iridium™ SR3**

» P5000 / 3 micron (μ)



**Iridium™ SR5**

» P3000 / 5 micron (μ)



**Iridium™ SR7**

» P2500 / 7 micron (μ)

## Features and benefits

- Excellent quality consistency
- Fast cut and long life
- Easy to polish out
- Silicon carbide grains and a stabile and robust backing results in improved performance

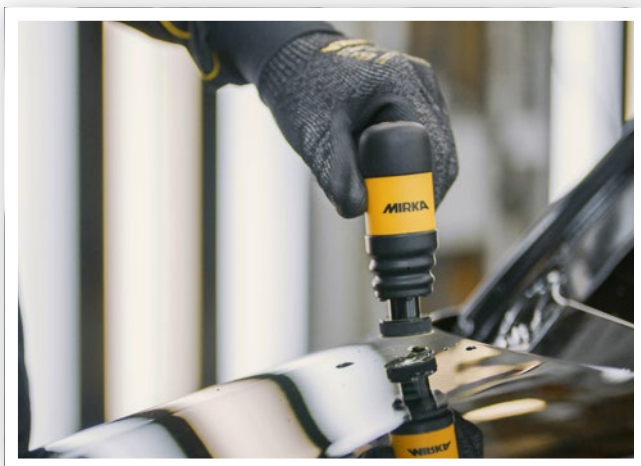
Technical specs	Iridium SR3	Iridium SR5	Iridium SR7
<b>Grain</b>	Silicon Carbide	Silicon Carbide	Silicon Carbide
<b>Color</b>	Green	Grey (dark green)	Purple
<b>Backing</b>	Film (3 mil)	Film (3 mil)	Film (3 mil)
<b>Bonding</b>	Slurry	Slurry	Slurry
<b>Grit range</b>	3 micron (eqv. to P5000)	5 micron (eqv. to P3000)	7 micron (eqv. to P2500)
<b>Coating</b>	Close	Close	Close
<b>Dimensions &amp; attachment</b>	32mm / PSA	32mm / PSA	32mm / PSA
<b>Package</b>	500 discs / roll	500 discs / roll	500 discs / roll





Directed at the finest finishing stages of automotive refinishing and collision repair as well as vehicle and transport manufacturing, the new Iridium SR performs consistently on sanding clearcoat, top coat and lacquers as well as composites processing, for premium results. For unparalleled performance in spot repair work and finishing quality control, Iridium SR is best paired with Mirka's ergonomic cordless tools, the AOS-B and AROP-B.

## FINESSING – MIRKA PRO SOLUTION SANDING



» Iridium™ SR gives a high-quality finish enabling a fast polishing process. Mirka recommends damp sanding using an orbital sander or a random orbital sander.



» Iridium™ SR enable a fast cut and a reliable finish. The product can be used wet or dry with an orbital sander or a random orbital sander.

## ABRASIVE AND SANDING TOOL RECOMMENDATIONS

### ABRASIVES

#### P2500 – P5000



» Iridium™ SR7



» Iridium™ SR5



» Iridium™ SR3

#### Iridium™ SR

SR7 (Coarse) = P2500  
SR5 (Medium) = P3000  
SR3 (Fine) = P5000

### CORDLESS SANDING TOOLS & ACCESSORIES



» Mirka® AOS-B 130NV



» Mirka® AROS-B 150NV



» Hand Tool for Roses 30 mm



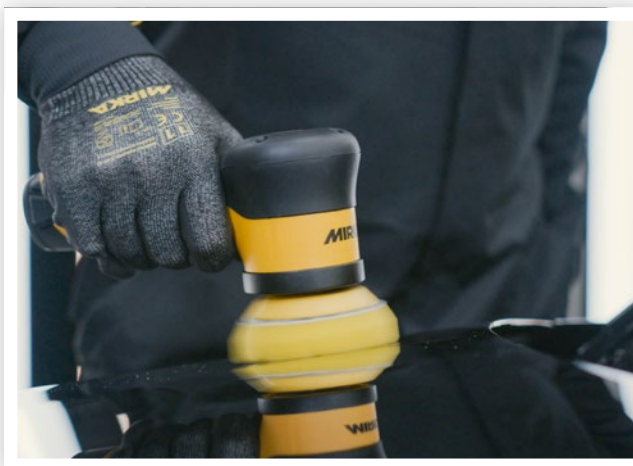
» Finessing Damper 60 ml



» Micro Fiber Cleaning Cloth



## FINESSING – MIRKA PRO SOLUTION POLISHING



» With the wide range of Mirka products we are able to offer a solution that works for both one-step and two-step processes for most clear coat and top coat systems.

## POLISHING COMPOUND, PAD AND TOOL RECOMMENDATIONS

### POLISHING COMPOUNDS



» PRO Iridium™ 1250



» Polarshine® 12 Fast



» Polarshine® 8 Fine



» Mirka® ARP-B 300 (77 mm)



» Mirka® AROP-B 312 (77 mm)

### FOAM PADS



» PRO polishing foam pad, burgundy waffle

Suitable for hard and medium hard coatings. Providing a fast cut with good gloss and a stable polishing process.



» PRO polishing foam pad, yellow waffle

Foam pad with excellent elasticity. Suitable for all kinds of polishing processes.



» PRO polishing foam pad, orange waffle

Excellent balance in elasticity and softness. Well suitable for softer clear coats and paints for a perfect finish.



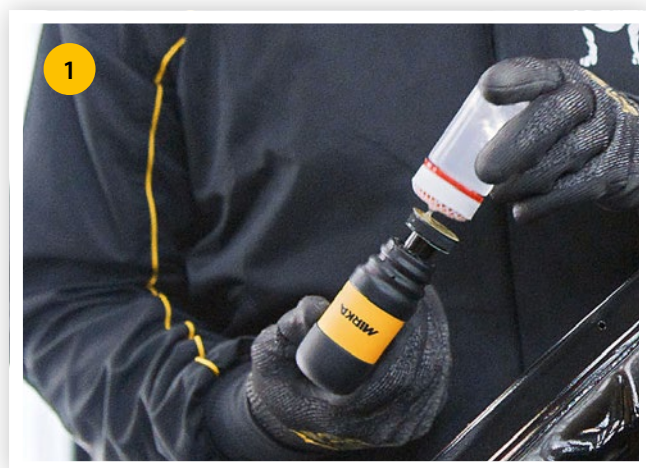
» Lambswool Pad Pro Grip

80mm pad made of premium wool fibers optimized to keep performance on a high level for demanding use.

### WOOL PAD

# FINESSING SYSTEM **EXAMPLE**

## FINESSING – ABRASIVES AND SANDING TOOLS



Add water to the surface and to the abrasive with Mirka damper.



Sand with Iridium SR

### CORDLESS SANDING TOOLS



» Mirka® AOS-B 130NV or Mirka® AROS-B 150NV



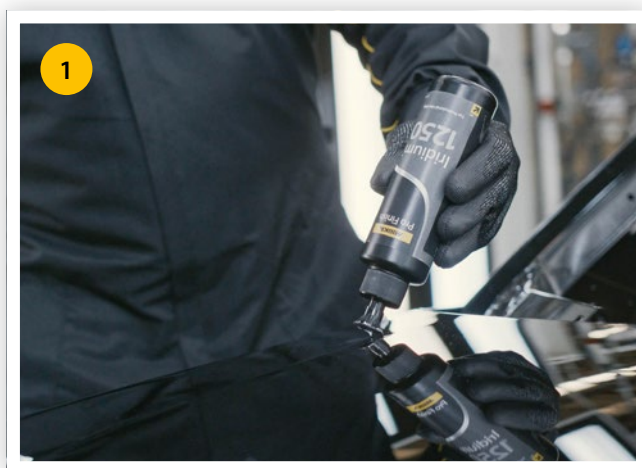
### ABRASIVE AND LIQUID



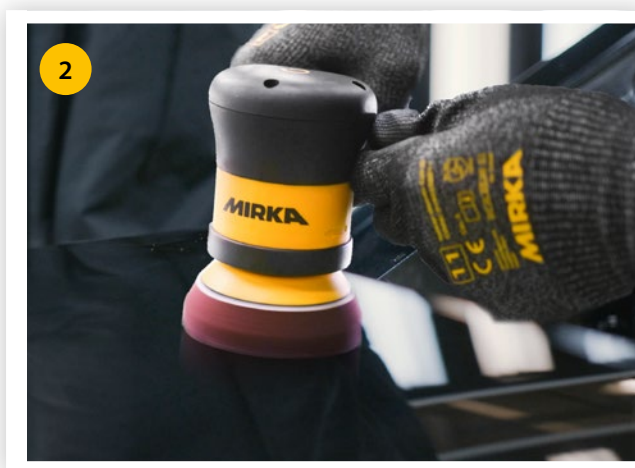
» Iridium™ SR7 (P2500); Liquid in damper: Water



## FINESSING – POLISHING COMPOUNDS, PADS AND TOOLS



Apply 1–2 drops of Iridium 1250 compound to the surface.



Use Mirka Burgundy Waffle Foam Pad with the Mirka random orbital polisher for a one-step polishing process.

### CORDLESS POLISHING TOOLS



» Mirka® AROP-B 312 (random orbital) and Burgundy Waffle Pad 85 x 25 mm

### COMPOUND



» PRO Iridium™ 1250 (1 L and 5 L)

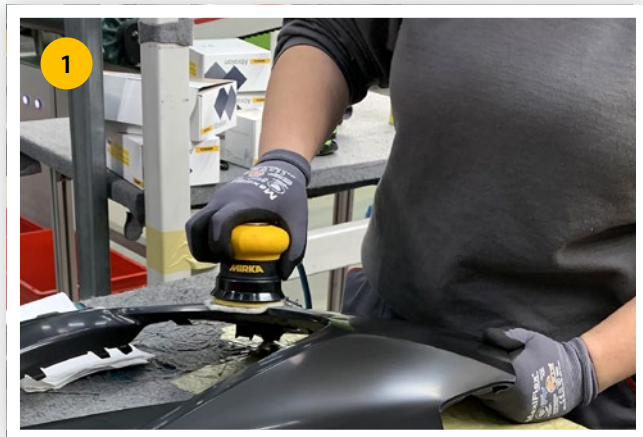
# TIER 1

Tier 1 suppliers manufacture parts for automotive and transport OEMs, which means the quality of the supplied body parts must match the quality and surface perfection of the complete vehicle. Mirka provides many different sanding solutions for sanding plastic, fiber reinforced plastic and other composite parts, from abrasives to tools, for removing any defects or flaws from the molding process.





# TIER 1 DEFECT REPAIR



Mirka's Abranet® and Abralon® are the perfect products to remove defects left from the molding process or to remove party lines.



Abranet efficiently removes the defects, creating a perfect dust free sanding result.



Abralon is gently removing party lines and smoothing the surface reducing fiber risings in the fiber reinforced plastic parts.



Abralon being used for smoothing the surface of a cars rearview mirror's plastic casing.

## SANDING TOOLS



» Mirka® ROS 325NV Ø 77 mm or Mirka DEROS 350CV Ø 77

## ABRASIVE



» Abranet® Ace 77mm



» Abralon® 77mm

# TIER 1 FINESSING SYSTEM **EXAMPLE**

## TIER 1 FINESSING – ABRASIVES AND SANDING TOOLS



Add water to the surface with Mirka damper.



Sand with Iridium SR

### CORDLESS SANDING TOOLS



» Mirka® AOS-B 130NV or Mirka® AROS-B 150NV

### ABRASIVE AND LIQUID



» Iridium™ SR7 (P2500); Liquid in damper: Water



## TIER 1 FINESSING – POLISHING COMPOUNDS, PADS AND TOOLS



- Apply 1–2 drops of PRO Iridium 1250 polishing compound to the surface.



- Use Mirka Burgundy Waffle Foam Pad with the Mirka random orbital polisher for a one-step polishing process.

### CORDLESS POLISHING TOOLS

### COMPOUND



- Mirka® AROP-B 312 (random orbital polisher) OR ARP-B 300 (rotary polisher) and Burgundy Waffle Foam Pad 85 x 25 mm

- PRO Iridium™ 1250 (1 L and 5 L)



# PRODUCT OVERVIEW





# ABRASIVES

## Abranet® Ace

» Abranet Ace offers superior cut and performance on E-coat and primer sanding applications, ensuring optimal performance and life time. Designed for wet and dry sanding. The true dust-free sanding characteristics result in a cleaner work environment requiring fewer reworks.

**Grit range:** P80–P240, P320–P1000



## Abranet® NC

» Net product especially developed for aluminium applications. Abranet NC has a low level of less noble metals to minimize the risk of corrosion on aluminium parts. The same dust-free characteristics as Abranet Ace also apply to Abranet NC.

**Grit range:** P80–P600



## Abranet® HD

» Abranet HD features exceptional resistance to edge wear and clogging which means it retains its highly efficient sanding properties for far longer, especially in demanding situations.

**Grit range:** P40, P60, P80, P120–P180



## Abranet® Max flap discs

» With a reinforced mesh backing, the unique Abranet® Max Flap Disc delivers high performance without clogging or overheating. Perfect for removal of old paint-work and corrosion from metal surfaces.

**Grit range:** P40, P60, P80, P120



## Coarse Cut

» Coarse Cut features a Progressive Bond™ technology, which makes Coarse Cut ideal for rounded surfaces with excellent edge wear resistance.

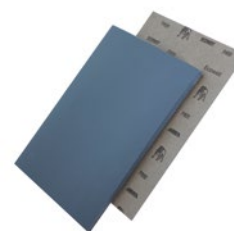
**Grit range:** P36–P40, P60–P150



## Ecowet

» Ideal for manual wet sanding of lacquered surfaces between coats as well as for fixing defects in the lacquer. Also suitable for removal of orange peel structure and for spot mark repair.

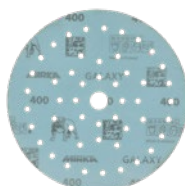
**Grit range:** P80–P2500



## Galaxy

» The blue ceramic grains of Mirka Galaxy retain sharpness exceptionally well, giving Galaxy a long life and a fast cut. The scratch pattern of finer grits is especially easy to polish out.

**Grit range:** P40–2000



## Goldflex Soft

» Goldflex Soft is suitable for sanding profiled surfaces and complex, hard-to-reach areas by hand. The stearate coating prevents clogging. Suitable for dry sanding applications.

**Grit range:** P150–P320, P400–P1000



## Iridium™ SR

» Suitable for the finest finishing stages of automotive refinishing and collision repair as well as vehicle & transport manufacturing. Iridium SR performs consistently on sanding clearcoat, top coat and lacquers as well as composites processing, for premium results. For unparalleled performance in spot repair work and finishing quality control.

**Grit range:** 3 micron, 5 micron, 7 micron



## Abralon®

» Abralon's patented, flexible construction allows it to create a smooth sanding pattern on angled surfaces and edges while minimising the risk of sanding through the paint layer. Abralon's knitted construction allows water and air to pass freely, making it suitable for both dry and wet sanding, by machine or by hand.

**Grit range:** 180, 360, 500, 600, 1000, 2000, 3000, 4000



## Mirlon® NC Very Fine

» Mirlon NC is a flexible, three-dimensional fibre sanding material that's easy to use on profiled surfaces and produces an excellent finish. Mirlon NC has a low level of less noble metals to minimize the risk of corrosion on aluminium parts.

**Grit range:** Very Fine – 360



## WPF Pro

» Mirka waterproof abrasive is most suitable for wet or dry hand sanding applications in the paint shop. Mirka WPF features a latex-impregnated paper backing material and extra durable coating which helps to produce a high-quality finish, even on coarser surfaces.

**Grit range:** P80–P2500



## CER Quick Disc

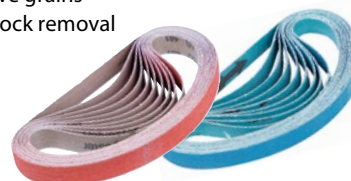
» High quality CER quick lock disc with self-sharpening ceramic grains for maximum stock removal. The discs features top size and medium-closed coating for reducing temperature in the grinding zone, thus avoiding burn marks, and Y Polyester backing. The ceramic quick disc is also highly resistant to wear for a longer lifetime.

**Grit range:** 36-120



## CER & ZIR Belts

» For grinding and deburring of alloy steel. The hardened abrasive grains provide extremely good stock removal and long service life.



## Conditioning File Belts

» Mirka's Conditioning File Belts are strong, durable and versatile. The conditioning belts can be used on all metals, from steel to aluminium, and on some composite materials such as fiberglass, epoxy resins and rigid plastic. The Conditioning file belts work at a lower surface temperature than traditional file belts, leaving a satin finish.

**Grit range:** 80-280

**Use together with Mirka® PBS**  
(Pneumatic Belt Sander)



## Conditioning Quick Disc

» Quick Disc Medium (red)/Coarse (brown) 50 mm for surface treatment. Suitable for rust removal, discolouration and cleaning of welding seams. Quick attach. 50 pcs / box.



## Abrasive range



For the complete abrasive range please visit  
[www.mirka.com](http://www.mirka.com)



# SANDING TOOLS



## ↘ MACHINE SANDING



**ELECTRIC**

Mirka® DEROS

Model	Mirka® DEROS 650CV	Mirka® DEROS 625CV	Mirka® DEROS 550CV
Size	150 mm (6")	150 mm (6")	125 mm (5")
Height	95 mm	95 mm	95 mm
Speed	4,000 – 10,000 rpm	4,000 – 10,000 rpm	4,000 – 10,000 rpm
Orbit	5.0 mm	2.5 mm	5.0 mm
Vibration level	3.4 m/s <sup>2</sup>	2.4 m/s <sup>2</sup>	3.2 m/s <sup>2</sup>
Noise level	71 dB(A)	72 dB(A)	71 dB(A)
Weight	1.0 kg	1.0 kg	1.0 kg



**PNEUMATIC**

Mirka® PROS

Model	Mirka® PROS 650CV	Mirka® PROS 625CV	Mirka® PROS 550CV
Size	150 mm (6")	150 mm (6")	125 mm (5")
Power input	485 l/min	485 l/min	485 l/min
Voltage mains supply	6.2 bar	6.2 bar	6.2 bar
Speed	12,000 rpm	12,000 rpm	12,000 rpm
Orbit	5.0 mm	2.5 mm	5.0 mm
Vibration level	3.2 m/s <sup>2</sup>	2.3 m/s <sup>2</sup>	2.4 m/s <sup>2</sup>
Noise level (LpA)	75 dB(A)	73 dB(A)	74 dB(A)
Weight	0.93 kg	0.90 kg	0.89 kg



**PNEUMATIC**

Mirka® ROS2

Model	Mirka® ROS2 610CV
Size	150 mm (6")
Air consumption	594 l/min
Working pressure	6.2 bar
Power	343 W
Speed	12,000 rpm
Orbit	10.0 mm
Vibration level	3.4 m/s <sup>2</sup>
Noise level	81 dB(A)
Weight	1.2 kg

## MACHINE SANDING



**CORDLESS**

Mirka® AOS-B



**CORDLESS**

Mirka® AROS-B

Model	Mirka® AOS-B 130NV	Mirka® AROS-B 150NV
Size	32 mm (1 1/4")	32 mm (1 1/4")
Battery Voltage	10.8 VDC	10.8 VDC
Speed	4,000–8,000 rpm	4,000–8,000 rpm
Orbit	3.0 mm	5.0 mm
Noise Level (LpA)	61 dB(A)	62 dB(A)
Vibration level	2.54 m/s <sup>2</sup>	1.9 m/s <sup>2</sup>
Weight	0.57 kg	0.56 kg



**CORDLESS**

Mirka® ANGOS



**PNEUMATIC**

Mirka® PBS

Model	Mirka® ANGOS ARG-B 200	Mirka® PBS 10/13NV
Size	55 mm (2")	10 x 330 / 13 x 457 mm
Battery Voltage	10.8 VDC	-
Speed	2500–20000 rpm	20000 rpm
Vibration level	2,5 m/s <sup>2</sup>	1,04 m/s <sup>2</sup>
Noise level	66 dB(A)	85 dB(A)
Weight	0.89 kg (incl. battery)	0.92 kg
Max size of access.	Ø 55 mm (2")	-
Collet	Ø 6 mm (1/4")	-



**ELECTRIC**

Mirka® DEROS

Model	Mirka® DEROS 350CV
Size of pad	77 mm (3")
Power input	250 W
Height	97 mm
Speed	4,000 - 10,000 rpm
Orbit	5.0 mm
Vibration level	3.3 m/s <sup>2</sup>
Noise level	67 dB(A)
Weight	0.8 kg

## Tool range




For the complete tool range please visit  
[www.mirka.com](http://www.mirka.com)

## DUST EXTRACTION



### Mirka® Dust Extractor 1230

 This highly versatile dust extractor for professional use is equipped with an automatic electric start, adjustable suction and an earthed hose connection to eliminate static electricity in the hose. This dust extractor should always be used with Mirka antistatic hoses. The AutoFilterCleaning system (available on some models) automatically cleans the filter effectively while the dust extractor is running.

**Please note that this model is not approved for aluminium sanding.**





# SANDING TOOLS

## ▣ HAND SANDING

### Sanding Pad

» Developed for ergonomic scuffing on E-coat and primer. The adjustable strap makes it non-operator-dependent. Available as 125 mm, 150 mm and 115x140 mm. Pad thickness available only in 6 mm.



### Hand Tool for Roses 30 mm

» Suitable mostly for wet hand sanding of small defects on clear coat applications. The 30 mm block can be used with both PSA and grip discs.



### Sanding Block Ergo

» Used for wet hand sanding on E-coat and primer. The ergonomic design makes the sanding block comfortable to use. Available in 50 mm and 77 mm.



### Sanding Pad Half Round

» The half round pad is designed for sanding hard-to-reach areas. Available as 125 mm and 150 mm grip.



# POLISHING

## ➤ POLISHING COMPOUNDS

### PRO Iridium™ 1250

» Mirka's professional one-step polishing compound for removing scratches from spot sanding with Mirka Iridium SR. Polish to a glossy finish using Mirka PRO polishing pads. Developed for industrial OEM applications.



### Polarshine® 8

» Water borne silicone-free polishing compound designed to quickly and permanently remove sanding scratches from P3000 and finer on industrial surfaces, leaving a high gloss hologram free finish.



### Polarshine® 12

» Mirka's Polarshine 12 is a water-based and silicone-free one-step polishing compound. Polarshine 12 removes scratches from P2500 or finer (depending on the surface and polishing pad) and it has a perfect balance of haze and hologram removal versus speed of cut.



## ➤ POLISHING PADS

### Polishing Foam Pad Yellow Waffle

» The Mirka yellow waffle pad is suitable for all kinds of polishing processes as it provides an optimal cut and gloss balance.

**Available in:** 85 mm, 135 mm, 150 mm and 180 mm. **Foam:** Medium hard.



### Polishing Foam Pad Orange Waffle

» Mirka orange waffle pad is suitable for softer clear coats and paints to achieve a perfect finish in a one-step process for vehicle and Tier 1 applications. The orange foam is softer than our yellow foam and leaves the best gloss and least holograms.

**Available in:** 85mm, 135mm, 150 mm and 180 mm. **Foam:** Soft.



### Polishing Foam Pad Burgundy Waffle

» Mirka burgundy waffle pad is suitable for hard and medium hard coatings withing AOEM and Tier1, providing a fast cut with good gloss. The burgundy foam is stronger than our yellow waffle foam providing a stable polishing process.

**Available in:** 85 mm  
**Foam:** Medium hard.



### Lambswool Pad Pro Grip

» Mirka lambswool pad pro is fully natural and made of premium wool fibers. The fibres are optimized to maintain high performance for demanding use. The pad is suitable for polishing all kinds of paintworks in OEM applications where a fast cut is needed.

**Available in:** 80 mm, 135 mm, 150 mm and 180 mm.





## CORDLESS POLISHING TOOLS



CORDLESS

Mirka® AROP-B 312


Model	Mirka® AROP-B 312
Size (backing pad)	77 mm (3")
Voltage	10,8 VDC
Speed	4000–7000 rpm
Orbit	12.0 mm (½")
Vibration level	4,3
Noise level	60 LpA (dB)
Weight (incl. battery)	0,89 kg
Connectivity	Bluetooth



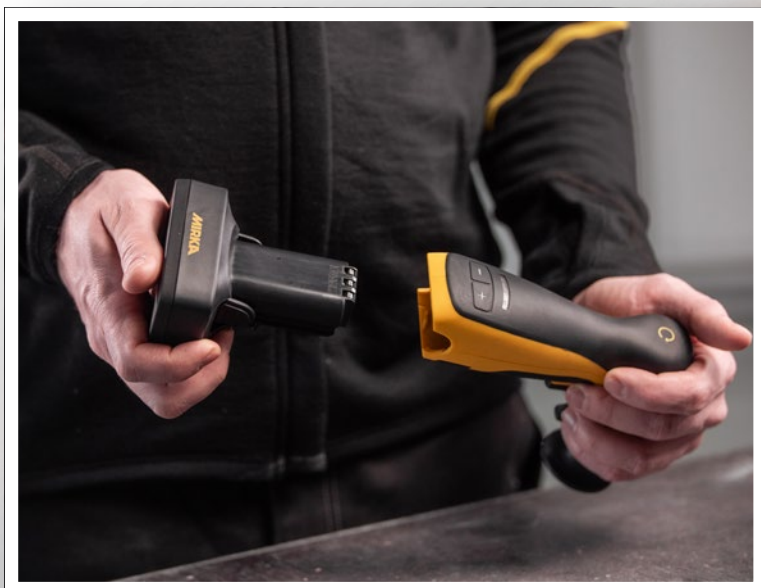
CORDLESS

Mirka® ARP-B 300

Model	Mirka® ARP-B 300
Size (backing pad)	77 mm (3")
Voltage	10,8 VDC
Orbit	0 mm (0")
Speed	1500–2200 rpm
Vibration level	1,8
Noise level	57 LpA (dB)
Weight (incl. battery)	0.87 kg
Connectivity	Bluetooth

Battery charger	BCA 108
Input	100–240 VAC, 50/60 Hz
Charging time	< 40 min (2.0 Ah)
Storage temperature range	–20 °C...80 °C
Charging temperature	4 °C...40 °C
Dimension	191 x 102 x 86 mm
Net weight	0.66 kg (1.46 lbs)
Degree of protection	II / 

Battery pack	BPA 10825	BPA 10850
Type	Rechargeable Li-ion 31NR19/65	Rechargeable Li-ion 31NR19/65-2
Battery voltage	10.8 VDC	10.8 VDC
Capacity	2.5 Ah / 27.0 Wh	5.0 Ah / 54.0 Wh
Intelligent battery	Yes	Yes



Cordless tool



55 mm 10.8V 5.0 Ah





# Mirka® ANGOS ARG-B 200

## CER Quick Disc abrasive







**Mirka Ltd**  
Finland

**Brazil** Mirka Brasil Ltda.

**Belgium** Mirka Belgium Logistics NV

**Canada** Mirka Canada Inc.

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

**Finland & Baltics** Mirka Ltd

**France** Mirka France Sarl

**Germany** Mirka GmbH

**India** Mirka India Pvt Ltd

**Italy** Mirka Italia s.r.l., Mirka Superabrasives S.p.A

**Mexico** Mirka Mexicana S.A. de C.V.

**Netherlands** Mirka Benelux B.V

**Poland** Mirka Poland Sp. z o.o

**Singapore** Mirka Asia Pacific Pte Ltd

**Spain** KWH Mirka Ibérica S.A.U.

**Sweden** Mirka Scandinavia AB

**Turkey** Mirka Turkey Zımpara Ltd Şirketi

**United Kingdom** Mirka (UK) Ltd

**United Arab Emirates** Mirka Middle East FZCO

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