

MIRKA

Mirka NC Abrasives

The non-corrosion product range





Mirka NC Abrasives

The preparation of corrosion sensitive surfaces requires abrasive products which contain the lowest possible amount of heavy metals. Aluminium based material and the demand from AOEMs for sanding corrosive sensitive materials are increasing. To meet this market requirement, Mirka is now the first abrasive company providing a full range of products from net to paper based and non-woven discs and sheets.

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.

What is the difference?

Special raw materials containing the lowest possible amounts of heavy metal contaminants have been used in the NC product range. Special procedures are applied throughout the production process to reduce the metal contents and ensure a stable quality. Due to the construction, the NC products show significant lower heavy metal contents than the corresponding traditional products.

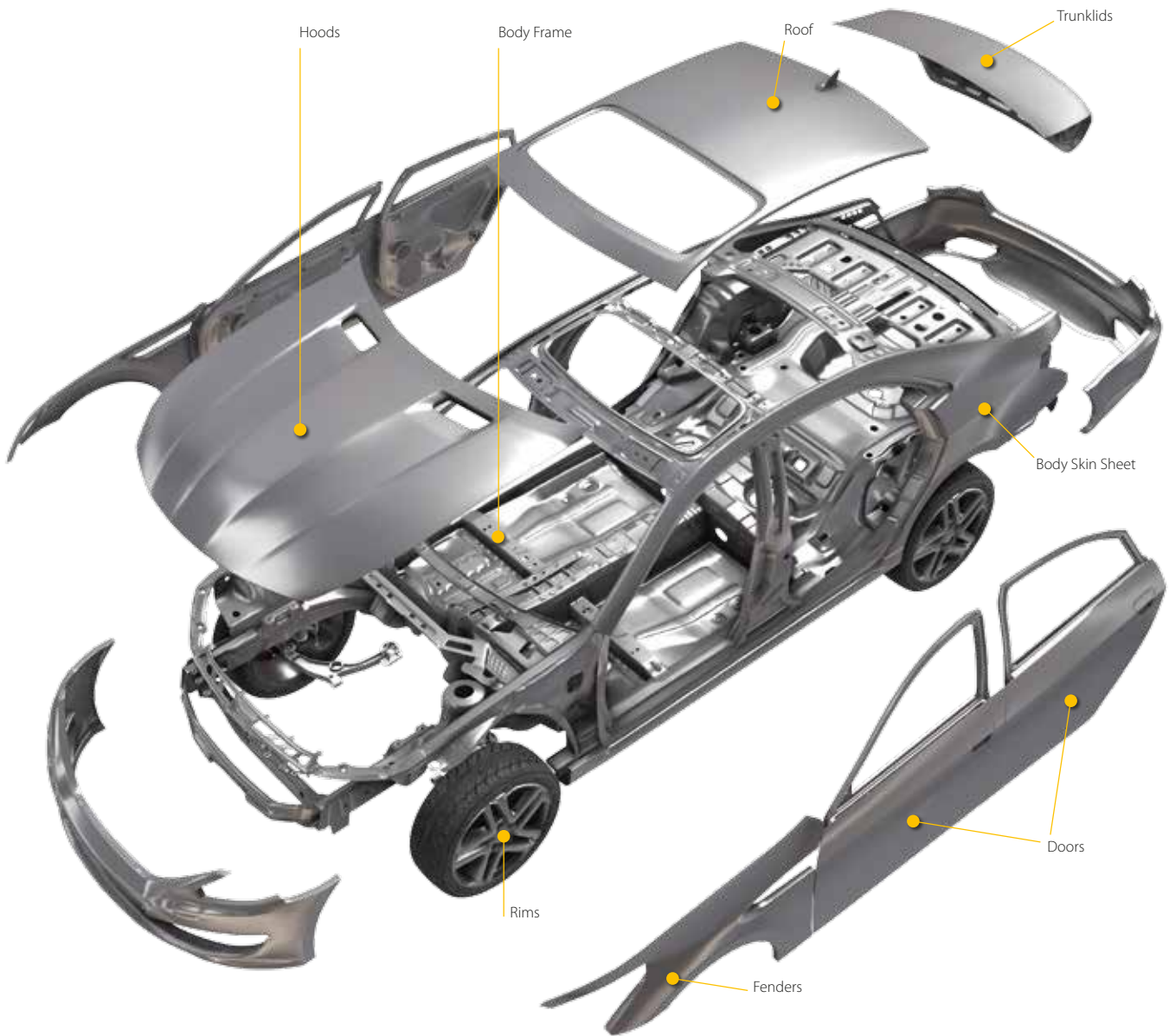
The evidence of heavy metals in non-corrosion abrasives

Product	Fe	Cr	Cu	Zn	Ni
Mirlon® NC Very Fine – 360	62	5,3	<4	1,3	<4
Competitive non-woven abrasive	1190	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	–
Gold NC P150	42,3	1,08	1,16	2,6	<0,5
Competitive paper abrasive	3600	3,3	8,2	18	1,2

AOEM heavy metal content requirement in abrasive products < 100 ppm < 10 ppm < 5 ppm < 5 ppm < 5 ppm



Aluminium Automotive Applications Today



Mirka NC Product Range

Mirilon® NC Very Fine – 360

- rolls, sheets and discs



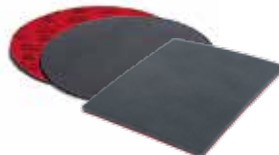
Abranet® NC

- discs and sheets
- grits P80–P600



Abralon® (Standard Abralon)

- discs and sheets
- grits 180, 360, 500, 600, 1000, 2000, 3000, 4000



Gold NC

- discs
- grits P80–P500



**MIRKA LTD**

Finland

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Quality from start to finish

