

Abrasive products for the automotive industry



Genuine STARCKE. Since 1829.



EXCELLENCE IS NOT A MATTER OF CHANCE

Abrasives from STARCKE are typical “Made in Germany” quality. For customers and partners world-wide, this means they can rely on a leading supplier for professional abrasive operations in industrial manufacturing. We offer efficient solutions ensuring perfect results in all lines of industry and areas of application.

The STARCKE organization is a medium-sized and independent fourth-generation family-run business and ranks among the leading suppliers of quality abrasives. For more than a century, STARCKE abrasive cloth and paper have been used to give the

required finish to all kinds of different products, ensuring top-quality results.

Quality is one of our top priorities and continually reviewed. This involves inspecting our batches on a regular basis and documenting the results. In addition to being ISO 9001 certified, STARCKE also complies with individual customer-defined standards, for example in the automotive industry.

OUR EXPERTISE IN SURFACE FINISHING FOR THE AUTOMOTIVE INDUSTRY

We are the specialist for perfect surfaces in the areas of stamping plant, body work, e-coat, primer and clear coat applications.

We ensure process reliability through:

- Customized consulting
- Consistent product quality
- Dependable delivery

AUTOMOTIVE EXPERTISE

Your partner throughout the manufacturing process



1. Stamping plant / body work



source: Eisenmann

2. E-coat / primer



3. Clear coat /
STARCKE FINISHING SYSTEM



STAMPING PLANT / BODY WORK



STARCKE products are ideal for sanding galvanized sheet steel and aluminium in body work applications and in the stamping plants of automotive suppliers.

ARTICLE NO. 141 XPK

Backing	Heavy, durable X-polyester cloth
Bonding	Full resin over resin
Grain type	Zirconia Aluminium Oxide
Coat	Closed
Grits	100, 80
Cut shapes	Velcro discs
Benefits	<ul style="list-style-type: none">– Durable, tear-resistant backing– Excellent grain-to-bond adhesion– Low friability– High durability thanks to the zirconia grain– High toughness



ARTICLE NO. 341 XK

Backing	Heavy X-cotton cloth
Bonding	Full resin over resin
Grain type	Zirconia / Aluminium Oxide
Coat	Closed
Grits	120 – 60, 40, 36, 24
Cut shapes	Velcro discs
Benefits	<ul style="list-style-type: none">– Durable backing– Excellent grain-to-bond adhesion– Low friability– High toughness





ARTICLE NO. 732 EK

Backing	Strong E-paper
Bonding	Full resin over resin
Grain type	White Aluminum Oxide
Coat	Semi-open
Grits	P 180 – P 24
Cut shapes	Velcro discs
Benefits	<ul style="list-style-type: none"> – Durable paper backing – Prevents early clogging – Consistent reduction of abrasive grain



ARTICLE NO. A44 XK – PEARL GRINDING

Backing	Heavy X-cotton cloth
Bonding	Full resin over resin
Grain type	PEARL GRINDING (Aluminium Oxide)
Coat	Open
Grits	P 120
Cut shapes	Velcro discs
Benefits	<ul style="list-style-type: none"> – Long-life product – Strong cloth backing – Good grain-to-bond adhesion – Excellent durability (long-life product)



PEARL GRINDING self-sharpening process



A quantity of abrasive grains is formed into a spherical shape. The grinding process continuously exposes unused abrasive mineral grains, thereby dramatically increasing the product's service life in comparison to conventional abrasives.

E-COAT / PRIMER



source: Eisenmann

In case of oxidation layers, paint runs, body work adhesive, welding beads and PVC overspray the e-coat has to be sanded. In clear coat preparation (primer sanding), the surface is checked for irregularities and sanded as necessary. STARCKE offers a variety of high-performance abrasives tailored specifically to these areas of application.

ARTICLE NO. 991 A TYPE 34

Backing	Flexible latex A-paper, high tear-resistance
Bonding	Full resin over resin, waterproof
Grain type	Silicon carbide
Coat	Closed
Grits	P 1200, P 800 – P 400
Cut shapes	Cut sheets / discs
Benefits	<ul style="list-style-type: none">– Brief immersion in water is sufficient, no long soaking.– The use of water prevents quick clogging of the abrasive paper, ensuring a long service life.– The anti-slip coating on the reverse side ensures good handling, even over long-time operation.– Dry sanding without formation of dust.– Perfect surfaces.



ARTICLE NO. 591 A

Backing	Flexible latex A-paper, high tear-resistance
Bonding	Full resin over resin, waterproof
Grain type	Aluminum Oxide
Coat	Closed
Grits	P 800, P 600, P 320
Cut shapes	Cut sheets / Velcro discs
Benefits	<ul style="list-style-type: none">– Short soaking time for quick use.– The anti-slip coating on the reverse side ensures good handling, even over long-time operation.– Uniform sanding results with low surface roughness tolerances.





source: Eisenmann

ARTICLE NO. 514 C2 AND 514 D

Backing	Flexible latex C-paper or durable D-paper with high tear-resistance
Bonding	514 C2: Stearate-coated resin 514 D: Resin
Grain type	Aluminium Oxide
Coat	Wide open
Grits	514 C2: P 800 – P 150 514 D: P 120 – P 60, P 40
Cut shapes	Velcro discs / foam rolls
Benefits	<ul style="list-style-type: none"> – The wide open coat in conjunction with the stearate coating reduces clogging of the abrasive paper, even when processing “sticky” materials. – The flexible paper backing makes it suitable for sanding profiled work pieces. – The high-quality stearate coating ensures a long service life.



ARTICLE NO. 764 FSK

Backing	Highly tear-resistant film
Bonding	P 2500 – P 180: Full resin over resin, stearate coated P 150 – P 80: Full resin over resin
Grain type	Aluminium Oxide
Coat	Wide open
Grits	P 2500 – P 80
Cut shapes	Velcro discs
Benefits	<ul style="list-style-type: none"> – The highly tear-resistant plastic film prevents tearing and fraying along the grinding tool edges and around the suction holes. – The wide open coat in conjunction with the stearate coating reduces clogging of the abrasive paper, even when processing “sticky” materials. – Good stock removal qualities when processing hard and scratch-resistant paints.



STARCKE FINISHING SYSTEM



CLEAR COAT / STARCKE FINISHING SYSTEM

THE STARCKE FINISHING SYSTEM – A BRILLIANT IDEA.

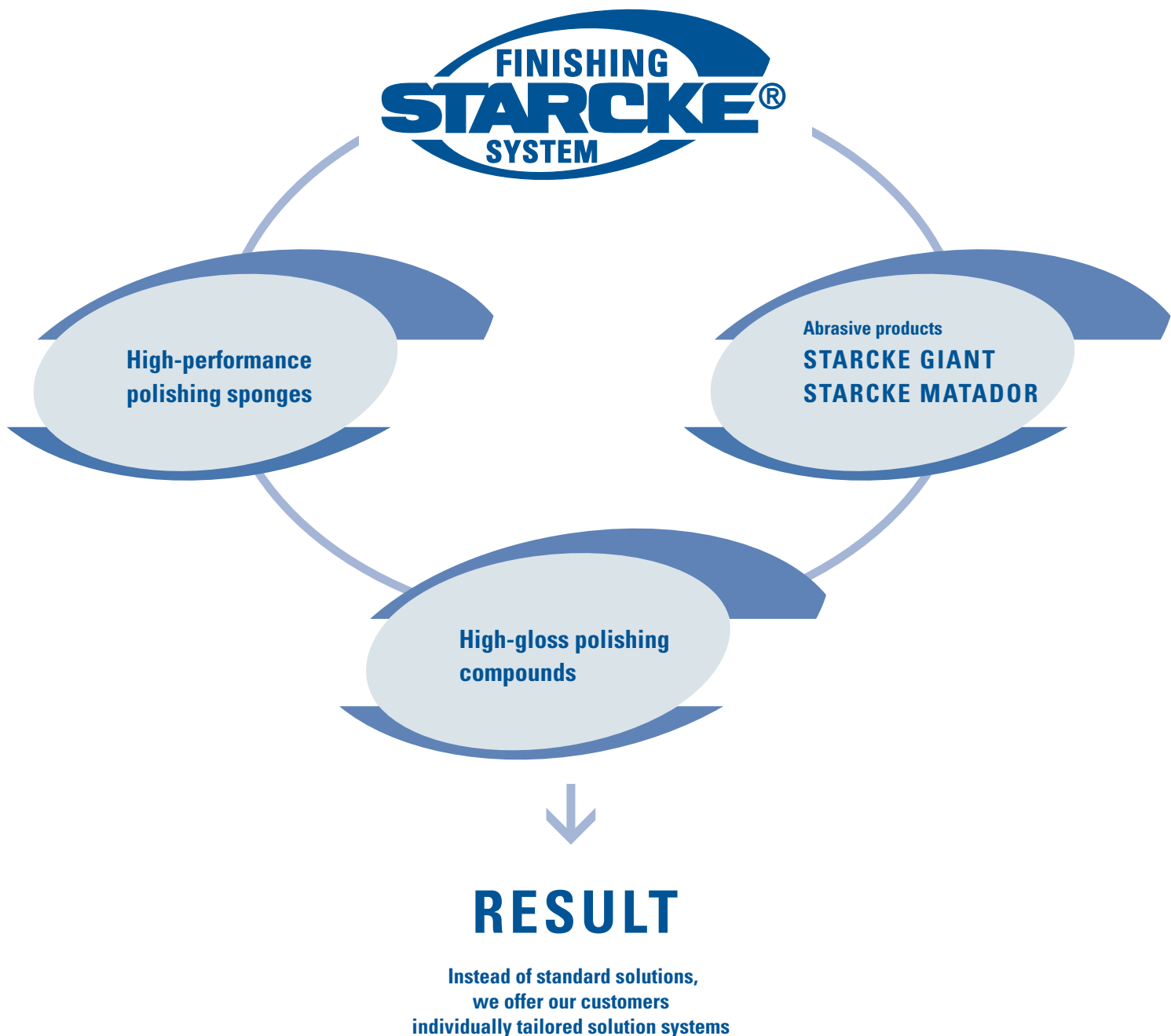
You rely on state-of-the-art technology to optimize paintwork finish. All the more reason to rely on a partner offering similarly brilliant ideas!

The STARCKE FINISHING SYSTEM comprises all the expertise modern paintwork needs. Offering abrasive products, polishing sponges and polishing compounds that are perfectly matched.

Ensuring a consistently excellent quality complying with highest standards. And with a service that caters to your individual requirements – down to the very last detail.

Because we are aware of the importance of efficiency in the automotive industry, the STARCKE FINISHING SYSTEM is designed to be more than a standard solution.

Depending on your needs, our application engineers can configure a combination of abrasive and polishing components that are precisely tailored to the specific characteristics of your manufacturing processes. Besides ensuring reliability and efficiency, this approach also delivers a final result that is perfect in every respect.



CLEAR COAT / STARCKE FINISHING SYSTEM



STARCKE scallop and micro discs with Velcro or self-adhesive backing in diameters of 35/32 mm are used to remove imperfections (e. g. trapped dust particles and paint runs) in the clear coat. In order to achieve a perfect polishing result, the finest grit possible should be used.

After correcting the imperfections using grits 5000 and 3000, a polishing compound can subsequently be used for final hologram-free deep-shine polishing in a single step. Larger dust inclusions should be removed using grits P 2500, P 2000 or P 1500.

STARCKE MATADOR

Article No.	991 A
Backing	Flexible latex A-paper with high tear-resistance
Bonding	Full resin over resin, waterproof
Grain type	Silicon carbide
Coat	Closed
Grits	5000, 3000, P 2500, P 2000, P 1500
Cut shapes	Scallop and micro discs, self-adhesive and Velcro backing
Benefits	<ul style="list-style-type: none">– Special product for reworking clear coats with subsequent buffing.– Optimized alignment of abrasive particles.– Preservation of the surface structure of the paint.– Quick buffing.

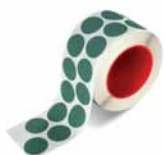


Scallop and micro discs
Recommended application:
Dry sanding with rotary sanders



STARCKE GIANT

Article No.	961 FOS
Backing	Film
Bonding	Full resin over resin, waterproof
Grain type	Silicon carbide
Coat	Closed
Grits	5000, 3000
Cut shapes	Micro discs, self-adhesive / Scallop discs, Velcro backing
Benefits	<ul style="list-style-type: none"> – Particularly high performance in wet and moist sanding operations. – Low surface roughness tolerances, ensuring uniform sanding results and repeatable surface quality. – Quick buffing.



Scallop and micro discs
Recommended application:
Wet or moist sanding with orbital sanding machines

STARCKE FINISHING SYSTEM



Benefits

- Very long service life for optimal process reliability
- Very high dimensional and heat stability
- Excellent handling (no spraying)
- Very quick buffing
- Excellent price-performance ratio

HIGH PERFORMANCE POLISHING SPONGE

Material Polyurethane foam
Reticulated (open cell)
Soft foam sandwich construction

Color Anthracite/blue

Diameter 81 mm and 133 mm



HIGH PERFORMANCE POLISHING SPONGE

Material Polyurethane foam
Non-reticulated (closed cell)
Soft foam sandwich construction

Color Anthracite/yellow

Diameter 86 mm and 133 mm



HIGH PERFORMANCE POLISHING SPONGE

Material Polyurethane prepolymer foam Polyester-based, **non-reticulated (closed cell)**
Medium-hard foam sandwich construction

Color Orange/yellow

Diameter 86 mm





STARCKE FINISHING SYSTEM



Benefits

- Hologram-free polishing for perfect surfaces
- Suitable for all common automotive paint systems
- Silicon-free premium quality
- High process reliability through repeatable polishing results

105

Material High-gloss polishing compound

Packaging units 1 liter



102

Material High-gloss polishing compound

Packaging units 1 liter and 5 liters



107

Material High-gloss polishing compound

Packaging units 1 liter



106

Material High-gloss polishing compound

Packaging units 1 liter and 5 liters



BENEFITS ALL DOWN THE LINE.

A single contact for all your needs.

This ensures that you benefit from integrated consulting services from a single source. What this means for you is: Direct channels, short response times, and maximum efficiency. Your personal contact knows exactly what your specific needs and requirements are and will guide and assist you throughout the entire process.

Perfectly matched products.

This ensures that we can optimize your material input and align our products to match perfectly. Giving you optimum, repeatable results and a consistently high quality that will impress your customers.

Training for your end users.

This ensures that we can jointly maximize the efficiency of your sanding and polishing processes. Our specialists in our own STARCKE Training Center are happy to pass on their expertise to your employees.

1. 2. 3.



Stamping plant / body work



E-coat / primer



Clear coat / STARCKE FINISHING SYSTEM

STARCKE®

stands for:

A single contact

• Time savings and quick response

Perfectly matched products

• Process reliability
• Optimized, repeatable results
• Optimized material input

User training programs

• Efficient grinding and polishing processes

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