



# 7240 siacarat

For sanding of scratch resistant surfaces



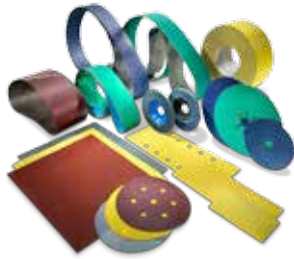
▶ **Technology leader**  
with the highest quality standards



▶ **Types of abrasives**  
The right one for everyone

▶ **Coated abrasives**

Classic coated abrasives and abrasive systems for advanced surface treatment of all types of material.



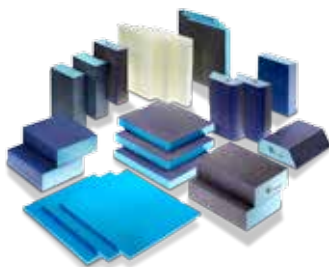
▶ **Nonwoven abrasives**

Nonwoven products for preparation and cleaning tasks and for structuring, especially on metal.



▶ **Foam abrasives**

Foam sanding pads in the widest possible range of shapes and grades for precision sanding on wood, fillers, paints and lacquers.



▶ **Bonded abrasives**

Precision cutting discs for optimum cutting performance and efficient grinding discs for a wide variety of metalworking applications.



### Global partner

At the headquarters of sia Abrasives in Frauenfeld, Switzerland, we develop, produce and distribute complete abrasive systems tailored to specific requirements and applications for the treatment of all surface types. sia Abrasives employs around 1,300 people worldwide and is represented with partners in over 80 countries.

### Production expertise

With the commissioning of Maker 5, the world's most modern abrasives production plant, we once again raised the bar. At our location in Frauenfeld we produce and convert coated abrasives for perfect surface treatment of automobiles, wood, metal and composite materials.

### Innovative solutions

As a world-leading manufacturer of high-quality abrasives with 140 years of expertise and unrivalled innovativeness, we can offer one of the most comprehensive range of products incorporating solutions for perfect surface finish. We are your abrasives specialists. We have industrial expertise. We know the process steps of our customers and can offer the right sanding solution for any material.

### Pioneer and trailblazer since 1875

Frauenfeld stands not only for the future of abrasives production, but also for the tradition of sia Abrasives. Our company was founded here, in the capital of the Canton of Thurgau, in 1867 and began producing coated abrasives in 1875.

# Swiss finish

## ▶ Know-how for important branches of industry

### ▶ Automotive and Composites

The range includes process-optimised surface solutions for processing and treating automotive body parts and fibre-reinforced plastics (such as carbon or glass fibre reinforced plastics) and a complete system comprising abrasives, machinery and accessories.

### ▶ Wood

A wide range of the different types of product provides an optimum surface finish on solid wood, wood-based materials, solid surface materials, paints and lacquers.

### ▶ Metal

The diversity of the industry is covered by a wide product range, offering the perfect surface finish for every application area. From grinding and material removal through to structuring for finishing purposes.



## 7240 siacarat – For sanding of scratch resistant surfaces



### The siacarat technology

siacarat – a brilliant solution when the progress is slow and difficult. The premium product from sia Abrasives for achieving surfaces of lasting perfection on any object. The innovative siacarat velvet abrasive is the key solution to the hardest materials in the lacquers sector, on bonding and solid surfaces – including the latest generation of scratch enhanced coatings.

The ingenious technology combines the refined net backed abrasive with a special foam cushioning to equalize application pressure and the well proven siafast fastening system. The result is a three dimensional abrasive satisfying the highest demands of quality. To perfect this powerful combination, siacarat involves coating with diamond grit minerals for efficient matt finishing at the highest level. The main benefit of this innovation is the astonishing lifetime – up to 40 times\* compared to a conventional abrasive.

### Advantages

- Very high stock removal rates and excellent finish
- Low clogging thanks to wet sanding
- Lasts up to 40 times longer than conventional abrasives
- Highly adaptable to contours, curves and profiles
- Pressure-equalising foam gives perfect surface finish
- Waterproof and washable
- Resistant to silicon remover

### Applications

- Matt finishing of scratch-resistant coating systems as well as composite materials
- Matting for blending
- Preparation for polishing on high-gloss surfaces

### Product profile

Grit type:	Diamond
Grit range:	500; 1000; 2000; 3000
Backing:	Knitted fabric with foam backing
Coating:	Special process
Bonding:	resin over resin

### Properties

Removal rate:	very high
Lifetime:	very long
Stability:	very flexible
Finish:	very good



### Net backed abrasives



**High value:** The three dimensional abrasive structure permits optimal surface results and prevents clogging.

**Lifetime:** High performance diamond grit minerals achieve long lasting efficiency.

**Efficient:** Amazing results are achieved in matt finishing with the ingenious coating of the fine net structure with diamond based abrasive minerals.

### Foam cushioning



**Equalizing application pressure:** Foam cushioning reduces point pressure on the surface.

**Absorbency and permeability:** The consistency of the foam guarantees a controlled absorption and discharge of water.

**Flexible:** The risk of sanding through on round edges and curves is reduced to an absolute minimum.

### siafast fastening system



**Fast and easy:** With the siafast hook and loop fastening system, the abrasive can easily and quickly be placed on the backing pad or on the hand-sanding blocks.

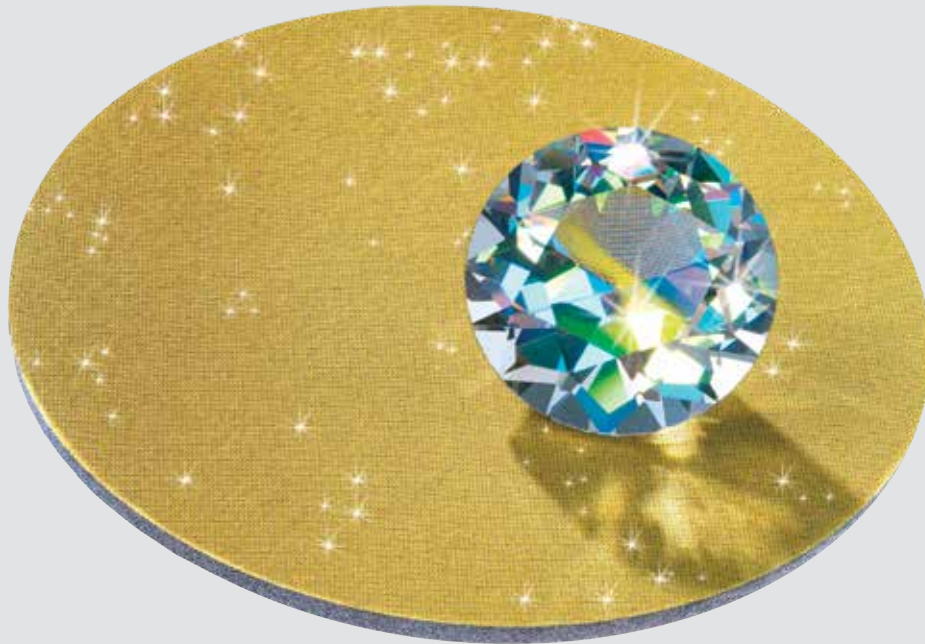
**Cost saving:** The abrasive can be reused several times, without risking any damage to the surfaces.

**Reusable:** The well proven siafast hook and loop system is reusable several times even in moist conditions.

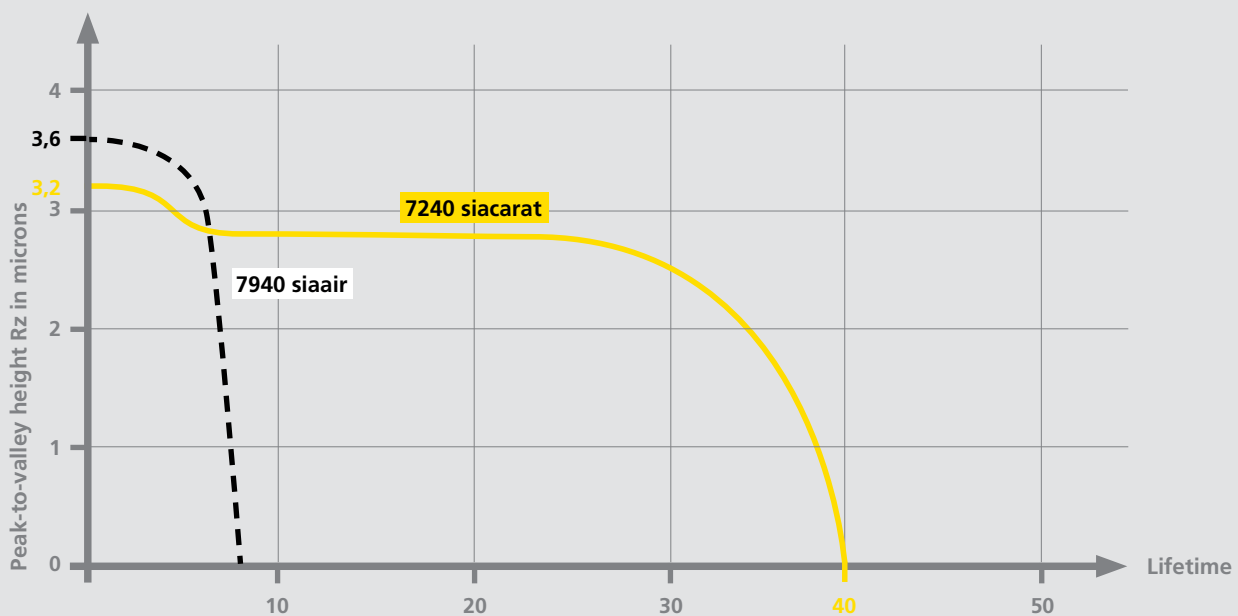


- 1 Velvet net-backed abrasive
- 2 Foam cushioning
- 3 siafast fastening system

## 7240 siacarat – up to 40 times longer lifetime!\*



- ▼ siacarat – can be used without replacement, much, much longer ... because the lifetime is up to 40 times longer than a conventional abrasive.
- ▼ siacarat – predominantly used moist, suitable for manual and portable machine sanding applications, and can also be used with water for wet sanding.
- ▼ siacarat – supplied with the well proven siafast fastening system.
- ▼ siacarat – obtainable in the trade in practical, reclosable packaging.



\* Test structure: Lifetime comparison under the following conditions

Abrasives: 7940 siaair, 7240 siacarat, P1000, Ø 150 mm, 7-hole, D/A-sander: 5 mm stroke with pad extrasoft,  
Surface: OEM-paint

**Scratch enhanced lacquers**

Matt and refined finishing of very hard surfaces such as scratch enhanced lacquers and also of traditional paints which cannot be efficiently sanded with conventional abrasives.


**Bonding materials**


Sanding of hard surfaces such as gelcoat and epoxy based materials, also of all surfaces requiring highly specialized treatment.

**Solid surfaces**


Matt and refined finishing of solid surfaces, also of traditional paints with extremely demanding treatment requirements.

**Product range**

Product	Dimension	Grit sizes	Article ID
	Ø 80 mm	500, 1000, 2000, 3000	8451.8686.xxxx
	Ø 125 mm	500, 1000, 2000, 3000	9418.7966.xxxx
	Ø 150 mm	500, 1000, 2000, 3000	9967.9911.xxxx

	Backing pad for orbital sander (5/16")		
0020.1988.01	Ø 77 mm	soft	
0020.4741.01	Ø 125 mm	soft	



	Air chamber backing pad 103 holes (5/16" + M8)		
0020.5742.01	Ø 150 mm	extra soft	
0020.5740.01	Ø 150 mm	soft	



Protection Disc		
0020.3453.01	Ø 150 mm	



**Your Key to a Perfect Surface**

[www.sia-abrasives.com](http://www.sia-abrasives.com)