



# 7241 siacarbon

The harder, the more efficient!





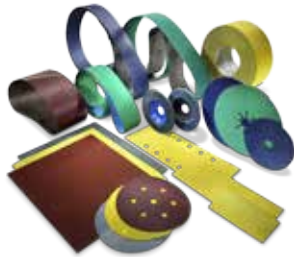
▶ **Technology leader**  
with the highest quality standards



▶ **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.



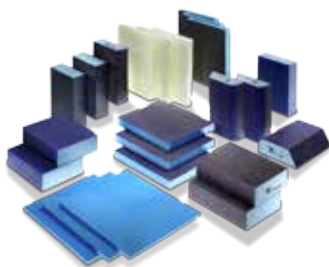
▶ **Nonwoven abrasives**

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.











# Comparison test

## siacarbon Abrasive

	00:03 <b>Start</b>
	01:52 Consumption <b>1 disc</b>
	02:40 Consumption <b>1 disc</b>
	03:56 Total consumption <b>1 disc</b>

## Conventional Abrasive

	00:03 Consumption <b>1 discs</b>
	01:52 Consumption <b>2 discs</b>
	02:40 Consumption <b>4 discs</b>
	03:56 Consumption <b>6 discs</b>
	05:05 Consumption <b>7 discs</b>
	06:14 Consumption <b>8 discs</b>
	08:50 Consumption <b>11 discs</b>
	09:23 Total consumption <b>12 discs</b>





siacarbon comparison test on the internet:  
[www.sia-abrasives.com](http://www.sia-abrasives.com) > Automotive > siacarbon

**The comparison test is based on the following conditions:**

Surface:

Engine bonnet of a VW T5 with factory primer. Year of construction: 2009

Random orbit sanding:

5 mm stroke with sia multi-hole backing pad, extra soft

Abrasive:

Series 7241 siacarbon, K320, Ø 150 mm without holes versus a conventional, flexible abrasive P320 without diamond coating on grit basis of aluminium oxide with 15-hole / Ø 150 mm.

**Hard factory primers**



**Scratch-resistant lacquers**



**Gelcoat (polyester and epoxy)**



**Primers (epoxy)**



**Hard fillers**



**Primer and melamine films**



## 7241 siacarbon – The harder, the more efficient!



The **7241 siacarbon** from sia Abrasives is a remarkable, customer-oriented abrasive which is designed to meet high demands.

### The measurable time-saving saves you money

Extremely fast sanding of hard surfaces thanks to state-of-the-art diamond technology. Less work interruptions due to optimisation of the sanding and work processes. The discs can be quickly and easily positioned. Cleaning and finishing work is avoided, which also noticeably minimises costs and the time required.

### The significantly reduced material expenditure

Material consumption is considerably reduced as a result of the extremely long lifetimes without clogging. Much less abrasive is required.

### The sensational sanding finish

The form and structure of the siacarbon abrasive enable a sensational sanding finish and the best scratch depth values. Minimal risk of sanding through on edges, and a pleasant sanding feel. Dust is extracted over the entire surface. This results in improved work conditions and considerably higher safety in the process.

### Product profile

Grit type:	Diamond
Grit range:	80; 120; 180; 240; 320; 500
Backing:	Cloth
Coating:	Special process
Bonding:	resin over resin

### Properties

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



The consumer-friendly packaging (10 pieces)



### Disc with 150 mm diameter / 0-hole

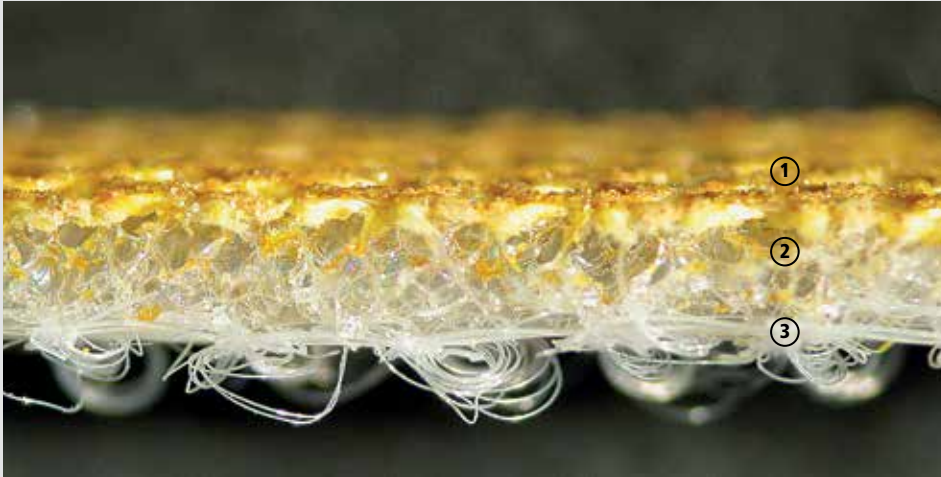
9980.9463.0240.01	240
9980.9463.0320.01	320
9980.9463.0500.01	500



### Multi-hole air chamber backing pad (5/16" + M8)

0020.5741.01	Ø 150 mm	hard
0020.5740.01	Ø 150 mm	soft
0020.5742.01	Ø 150 mm	extra soft

# The abrasive with state-of-the-art diamond technology



## Advantages

- Excellent performance on hard materials
- Extremely long lifetime thanks to state-of-the-art diamond technology
- Full-surface dust extraction
- No dependence on hole system
- Minimal risk of sanding-through on edges
- Increased efficiency due to measurable time-saving
- Constant removal rates

**1**  
Diamond-coated net structure abrasive

**2**  
Pressure-equalising foam insulation

**3**  
siafast fastening system for an easy and fast change of abrasive



## siacarbon markets

Automotive



Marine



Windmill



Truck



Rail



Bus



Aerospace







**Your Key to a Perfect Surface**

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