



**HIGH HEAT RESISTANT**  
Coatings.



## **SILICOTHERM® STANDS FOR YEARS OF EXPERIENCE IN THE FIELD OF HIGH HEAT RESISTANT COATINGS.**

Whether it's stoves, grills or smokers, exhaust systems or industrial plants: For a wide variety of different areas coatings that require very special properties are needed – they have to withstand extremely high temperatures.

For this purpose, Silicotherm® provides various high-heat resistant coatings adapted to all customer requirements. With the ranges **Silicotherm®**, **Silicotherm® PRO**, **Silicotherm® WBS** and **Silicotherm® COR**, the Silicotherm® system is made up of individual and innovative product variants, which each can be offered in classic colours and also as a special variant within the colour series.

The **Silicotherm®** and **Silicotherm® PRO** systems are available with higher solids content for effectiveness and VOC reduction, depending on specific requirements. **Silicotherm® WBS** is an innovative water-based product system that offers high colour stability and excellent surface quality, while **Silicotherm® COR** ensures particularly long-lasting corrosion protection.

**Silicotherm®** offers innovative product variants for our customers' individual application systems.

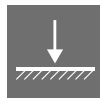
# SCRATCH-RESISTANT SURFACES WITH EXCELLENT APPEARANCE – WITHOUT SMOKE AND ODOUR DURING FIRST-TIME USAGE.

**Silicotherm®** is a coating system that meets even the highest demands in terms of quality, appearance and environmental as well as processing friendliness. **Silicotherm®** offers the perfect solution for all applications in the field of high-quality coatings for objects exposed to high temperatures.



## EXTREME SCRATCH RESISTANCE

Surfaces treated with Silicotherm® are exceptionally scratch-resistant and thus contribute to the long-term protection of the object while maintaining the appearance.



## EXCELLENT ADHESION

Silicotherm® coatings also provide excellent adhesion to critical, non-blasted steel and cast iron surfaces.



## SMOKE & ODOUR FREE FOR FIRST OPERATION

When exposed to heat for the first time or when the coated object is being used for the first time, Silicotherm® does not cause any smoke or odour nuisance.



## COLOURFUL DIVERSITY

Each product variant of the Silicotherm® range is also available in a colour system with a large selection of colour shades, thus opening up numerous design options. In addition to a wide range of colour shades, glossy or matte as well as metallic colour variants can also be offered according to the customers' wishes.



## ENVIRONMENT & PROCESSING FRIENDLY

Silicotherm® systems are distinguished by low VOC values and particularly high environmental compatibility. At the same time, the use of Silicotherm® coatings is advantageous due to its easy application and high process reliability.



## EXCELLENT CORROSION RESISTANCE

Long-lasting protection against corrosion is one of the key decisive advantages of Silicotherm® products. For this purpose, there is a separate product system that meets precisely these requirements.



## SHORT DRYING TIMES

Silicotherm® stands for adapted process times with fast drying. An essential factor is the complete curing already at room temperature. Efficiency and cost savings are the focus here.



## CLASSIC MASTERPIECE

**Silicotherm®** is a classic, modern system that incorporates a comprehensive range of conventional high-heat resistant coating solutions while delivering quality without compromises.

Easy to process, this product variant offers decisive advantages for the coating of numerous objects, such as exhaust systems, industrial plants or boilers.

**Silicotherm®** dries particularly quickly and, if required, can be oven cured before packaging.

Silicotherm®      silver, black  
Silicotherm® color

Silicotherm® HS    silver, black  
Silicotherm® HS color



## HIGH PERFORMER

**Silicotherm® PRO** is characterized by an unprecedented surface hardness and thus offers exceptional scratch resistance.

The system already cures at room temperature and does not show any smoke formation or odour nuisance during initial heating.

Silicotherm® PRO      silver, black  
Silicotherm® PRO color

Silicotherm® PRO HS    silver, black  
Silicotherm® PRO HS color







## WATERBASED INNOVATION

**Silicotherm® WBS** is a water-based, high-temperature resistant coating system. With excellent colour stability and best surface quality, this product variant stands for a water-based technological innovation.

Silicotherm® WBS      silver, black  
Silicotherm® WBS color
























## PROTECTING SHIELD

**Silicotherm® COR** is a special system with maximum protection against corrosion. At the same time, high colour stability and long-lasting excellent appearance are ensured. Especially constructions exposed to high temperatures can be permanently protected with products of the **Silicotherm® COR** series.

Silicotherm® COR      silver, black  
Silicotherm® COR color

## SILICOTHERM® OFFERS THE RIGHT PRODUCTS FOR EVERY APPLICATION IN THE HIGH HEAT RESISTANCE SECTOR.

	Silicotherm®	Silicotherm® PRO	Silicotherm® WBS	Silicotherm® COR
Temperature resistance	500 °C	600 °C	500 °C	600 °C
Layer thickness	20-30 µ	20-30 µ	25-40 µ	60-80 µ
Substrate	steel	steel	steel	steel
Pretreatment	degrease	degrease	sandblasting	sandblasting
Drying	room temperature	room temperature	room temperature	room temperature
Curing	oven drying or first use	room temperature	oven drying or first use	room temperature
Smoke and odour free when first used				
Unblasted				
One-coat paint				
Application area	exhaust / turbocharger / heating boiler	fireplace / smoker / grill / stove	exhaust / turbocharger / heating boiler	industrial plants / pipelines / chimneys
Colour selection available in all qualities	             			

**SILICOTHERM® AEROSOLS –  
HEAT-RESISTANT PAINT  
SPRAYS IN THE COLOURS  
WHITE, BLACK AND SILVER.**







**Silicotherm®**

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Am Oberen Moos 1

84051 Essenbach

+49 8703 92 20

[www.mipa-paints.com](http://www.mipa-paints.com)