

Prokol MegaGrip S



Description and application

Highly reactive, solvent-free hot spray coating based on high-quality, aromatic polyurea technology.

MegaGrip S has been developed for coating floors within the transport sector to prevent sliding loads. The product has a Dekra VDI 2700 certification.

Available certificates:

- **Dekra Automobil GmbH – VDI 2700 sheet 14. Determination of friction coefficient of different material combinations on anti-slip loading floors.**

Article number and packaging

19251-20	37,5 kg set (already on colour)
19251-200	430 kg set (colourless product)
	6,75 kg Prokol Hot spray Colour Pasta

Properties

- Solvent-free
- Stays elastic
- Light structure finish possible with mist spray
- VDI 2700, sheet 14 Certified by DEKRA Automobil GmbH

Elongation	540% (DIN 53504)
Tensile strength	15 MPa (DIN 53504)
Shore hardness	A82 ± 5 (DIN 53505, ASTM D2240)
Wear resistance taber	16 mg 1000 cycles, 1000 g load, CS18

Properties liquid product

Colour	Available in RAL colours, see colour overview. <i>Other colours are available on project basis and on request.</i>
Density	1,06 kg/l mixed product
Volume solids	100%
Flash point	>100 °C
Shelf life	At least 12 months after the date of production, if stored cool in unopened packaging and protected against frost. Products should always be placed on pallets to avoid direct contact with the floor.

Application information

Is processed with multi-component (hot spray) high pressure equipment using a suitable spray gun. This equipment must be adjusted for the product to be sprayed and capable of supplying sufficient pressure. The spray temperature and layer thickness strongly influence the reaction time, curing and treatment.

Reaction time	5 - 8 seconds
Tack free	Almost directly after applying
Spraying temperature	75 – 85 °C
Hose temperature	75 – 85 °C
Spraying pressure	Fusion AP gun 150 – 180 bar
Usage	1,06 kg/m ² /mm <i>From 2 mm layer thickness.</i>
Mixing ratio	See the label on the packaging
Surface temperature	+5 °C and +30 °C

Open time* With the same product: Almost directly and max. within 24 hours
Solvent free: min. 24 and max. 36 hours
Solvent-containing: min. 3 and max. 36 hours.
Open times can decrease as the temperature rises. When exceeding the open time, the existing layer must be sanded and provided with a suitable primer.

Chemical resistant*	After 7 x 24 hours
Mechanical resistant*	After 3 x 24 hours
Wear resistant*	After 3 x 24 hours
Dilution	Not permitted
Cleaning agent	Roca Cleaner N6500-P (equipment)
Rinsing agent	Roca Cleaner TC-N

Mixing instructions

The temperature of the materials in the drums need to be at least 15 °C with a maximum of 35 °C.

If the materials are too cold, use the heaters of the spraying equipment to heat them up.

Be aware! Start by mixing the A (base) component intensively for 20 minutes before starting heating and circulating the materials through the pump.

Use a Twistork-helix mixer to obtain a homogeneous mixture.

The mixing time depends on the size of packaging. A 200 liter drum, used for the first time or after a longer storage period, should be



* At 20 °C and 65% RH surface.
** At 1 kg and 20 °C product.



Tel. +31 (0)85 78 200 20 • Fax. +31 (0)85 78 200 21
www.prokol.com • info@prokol.com



On the safe side.



Liquid synthetic materials for a sustainable future

Prokol MegaGrip S



mixed intensively for 45 minutes. Following this, short and thorough mechanical mixing at every turn is sufficient.

Non-homogenous mixed products lead to deviating features in the end-result subsequently.

Notes during application

The reaction temperature of the product partly depends on the surface temperature. If thicker layers are desired, first providing the surface with a thin layer is advised. The reaction heat that is created during this process makes it possible to apply several layers one after the other.

Do not inhale spray mist. Ensure respiratory equipment designed for the conditions is worn while spraying.

2-component products may only be applied when the relative humidity is less than 85%. The minimum environment and surface temperature is +5° C and the temperature of the surface to be treated and the uncured product must be 3° C above the dew point. See the dew point table.

Surface and circumstances

The surface must be clean, dry and free from grease.

Moisture content surface

- cement-bound : < 4% CM (parts by weights)
- plaster-bound : < 0,5% CM (parts by weights)

There are various types of surfaces. Some of which have their own individual pre-treatment requirements. If in doubt, getting in contact with your supplier is advised.

The load-bearing capacity of the synthetic floor depends on the compressive strength of the cement-bound screed and can never be absorbed by a flooring system.

Important

Projects and applications can vary greatly. Always contact your supplier if you have doubts about a certain application, choice of material or surface treatment.

All the technical information given in this technical information sheet is based on laboratory tests. Information can change, depending on the conditions.

Legal notification

The information and, in particular, the recommendations concerning the application and final use of Prokol products is issued in good faith

based on Prokol's current knowledge and experience of products that are correctly stored, handled and applied under normal conditions.

In practice, the differences in materials, surfaces and local conditions are such that no guarantee can be given concerning the marketability or suitability for a certain objective, nor can any liability arise from any legal relationship based on this information, nor from any written recommendations or other advice that is given. The property rights of third parties must be respected.

Prokol guarantees that its products are free from manufacturing faults. Multi-component products are a finished product once the components have been mixed and processed. When mixed and processed correctly, the product will achieve the specifications given. Prokol can only guarantee the product when surfaces are processed and pre-treated correctly.

All orders are accepted under the current sales and delivery conditions. Users must always refer to the most recent product safety information sheet and product information sheet for the product concerned.

Copies of the most recent editions are provided upon request and are available at www.prokol.com.

The publication of this product information sheet makes all previous product information sheets for this product invalid.

* At 20 °C and 65% RH surface.
** At 1 kg and 20 °C product.



Tel. +31 (0)85 78 200 20 • Fax. +31 (0)85 78 200 21
www.prokol.com • info@prokol.com

 **DEKRA**
On the safe side.



Liquid synthetic materials for a sustainable future