

Rocathaan Sealant PA 160-JS

Description and application

High-quality, machinable, quick-curing grouting mass based on solvent-free polyurea.

As filler for joints, dilatations and other seals that require a durable solution, including at gas stations, storage and transhipment facilities, and floors in petrochemical industries.

Article number and packaging

19520-50 50 kg set

Properties

- Large range of layer thickness
- High mechanical resistance
- High chemical resistance
- Permanently water-resistant
- High tear resistance

Elongation	± 160% (DIN 53504)
Tensile strength	± 21 MPa (DIN 53504)
Shore hardness	D60 ± 5 (DIN 53505, ASTM D2240)
MU Value	1000
TG Value	130 °C

Resistance

Against fuels in general	: Excellent
Against lyes in general	: Excellent
Against acids	: Spilling effects allowed

Always ask for advice in the event of chemical loading. Discolouration may occur due to the action of chemicals, high temperature, UV light (especially for the colour white). Such a colour change is not detrimental with regard to the technical properties and durability of the product.

Properties liquid product

Colour	Black and anthracite <i>Other colours are available on project basis and on request.</i>
Density	1,50 kg/l mixed product
Volume solids	100%
VOC quality	0 g/l
Flash point	>100 °C
Shelf life	At least 12 months after the date of production, if stored cool in unopened packaging between 10 - 30 °C. Store package horizontal.

Application information

Is processed with multi-component (hotspray) 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	Approx. 3 minutes at 25 °C
Tack free	Approx. 3 minutes at 25 °C
Processing temp.	25 - 40 °C <i>Depending on the situation</i>
Hose temperature	25 - 40 °C <i>Depending on the situation</i>
Usage	1,50 kg/m ² /mm
Mixing ratio	1:1 in volume
Surface temperature	Min. +5 °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. <i>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.</i>
Chemical resistant*	After 3 x 24 hours <i>Each Prokol product has varying levels of resistance to specific chemicals. Chemical concentrations are complex and are strongly influenced by the environment and temperature. Contact Prokol technical support for specific recommendations.</i>
Mechanical resistant*	Light duty after 2 hours Heavy duty after 24 hours
Dilution	Not permitted
Cleaning agent	Roca Cleaner N6500-P (equipment)
Rinsing agent	Roca Cleaner TC-N

Mixing instructions

First mix component A until it is a homogenous mixture. The mixing time depends on the size of packaging.

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

Notes during application

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

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



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2-component products may only be applied when the relative humidity is less than 85%. Condensation on the surface reduces the adhesion. The minimum ambient 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

With most surfaces, a primer will be necessary. In that case, read the technical product sheet of the product in question.

The surface must be absorbent in nature. The surface must be healthy, with a minimum compression strength of 25 MPa and a minimum adhesion strength of 1,5 MPa for normal used flooring and 2 MPa for heavy load flooring.

The surface must be dry, clean and free of grease. All loose components must be removed. Concrete and anhydrite needs to be at least 28 days old.

Any cement skin must be removed. After sanding, carefully remove dust from the surface using an industrial vacuum cleaner. Be aware that sanding can lead to filling of the pores, which can lead to reduced adhesion.

Pre-treat contaminated surfaces using flame blasting. Clean contaminated and greasy surfaces (oil and grease), preferably with a steam cleaner, using a suitable cleaning agent. Rinse well with clean tap water. If this does not result in a clean, load-bearing surface, blasting should be performed.

The surface must be free from pressure or rising water from the subsoil.

Moisture content surface

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

If a topcoating is going to be applied as a finishing layer, it must be suitable for the purpose and elasticity of the surface.

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.

Aromatic products are not fully colour/UV-proof and will slightly decolourise when exposed to UV light. If this is not desired, adding a aliphatic topcoating as finish layer based on the elasticity of this product is advised.

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.

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