

# Rocathaan Hotspray PA 890-XWR

## Description and application

Highly reactive, solvent-free and very durable hotspray coating, based on high-quality, aromatic, polyurea technology. Due to its quick-curing, any shape can be coated seamlessly. Once cured, a fairly hard top layer is formed with a good balance between impact resistance and elasticity.

For use as an extremely abrasion resistant coating on various types of industrial components, e.g. pump housings, silos, chutes, concrete buckets within the offshore and dredging industry and sand and cement industry. Combine with a Rocathaan Hotspray PA 870-WR underlayer to further increase the absorption capacity.

## Article number and packaging

19890-20	39,6 kg set
19890-200	452 kg set

## Properties

- Extremely wear resistant
- Remains elastic
- No or hardly any adherence of product residues

50% Modulus	8,7 MPa
100% Modulus	10 MPa
200% Modulus	13,6 MPa
Elongation	± 390% (DIN 53504)
Tensile strength	± 22,8 MPa (DIN 53504)
Shore hardness	A97 ± 5 (DIN 53505, ASTM D2240) D52 ± 5 (DIN 53505, ASTM D2240)
Wear resistance taber	<ul style="list-style-type: none"><li>• 0 g 1000 cycles, 1000 g load, CS17</li><li>• 0,014 g 2000 cycles, 1000 g load, H18</li><li>• 0,024 g 4000 cycles, 1000 g load, H18</li></ul>
MU Value	1000
Fire class	B2 (DIN 4102-1)

## Properties liquid product

Colour	Oxide green <i>Other colours are available on project basis and on request.</i>
Density	1,06 kg/l mixed product
Volume solids	100%
Flash point	>80 °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 (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. 20 seconds
Tack free	30 – 45 seconds
Spraying temperature	70 – 85 °C
Hose temperature	70 – 85 °C
Spraying pressure	<i>Depending on the type of pistol and mixing chamber.</i> <ul style="list-style-type: none"><li>- Fusion CS gun 130 – 140 bar</li><li>- Fusion AP gun 150 – 180 bar</li></ul>
Usage	1,06 kg/m <sup>2</sup> /mm <i>The layer thickness strongly depends on the application. Contact Prokol technical support for specific recommendations.</i>
Mixing ratio	See the label on the packaging
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 7 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*	After 2 x 24 hours
Dilution	Not permitted
Cleaning agent	Roca Cleaner N6500-P (equipment)
Rinsing agent	Roca Cleaner TC-N

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



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**Liquid synthetic materials for a sustainable future**

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## Surface

For detailed information regarding surface pre-treatments, please consult the information sheet "Surface Pre-treatment".

## Application and circumstances

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

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.

## 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 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.

## 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.

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](http://www.prokol.com).

All our deliveries, acceptance of assignments, communications, advice, and agreements are subject to our general terms and conditions of delivery, filed with the Chamber of Commerce in Eindhoven under number 52327159. Any other terms and conditions are hereby expressly rejected.

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.



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