

Rocathaan Hotspray PA 136-T /05

Description and application

Rocathaan Hotspray PA 136-T is a fast set, rapid curing, 100% solids, flexible, aromatic, two component spray pure polyurea that can be applied to suitably prepared surfaces as concrete, metal and wood. Its extremely fast gel time makes it suitable for applications. Rocathaan Hotspray PA 136-T possesses the following certificates:

- **WRAS BS6920 Potable water – Intertek UK**
- **CE Certification EN 1504-2 – Intron SGS**
- **Fire report DIN 4102-1 – Exova Brandhaus**
- **Water tightness certificate – BDA**
- **KSW Certificate for Public Pools – Germany**
- **Fire DIN 4102-1**
- **Fire EN 13501-5 Broof (t1 & t2)**
- **Water tightness**
- **Radon Transmission**

Can be used as protection /lining for swimming pools, basins, hot tubs, tanks, façades, etc. As a wear-resistant layer in industry and construction, including ramps and parking roofs.

It is ideally suited to cut and cover tunnels, sub structure/below grade, roof refurbishment, and any structure requiring chemical and abrasion resistance.

Also suitable as finishing for a wide variety of shapes and applications. Is also often used to coat insulation material, such as EPS and foam. If desired, it can be finished with a colored finish.

Article number and packaging

19400-20	in 45 kg set
19400-200	in 452 kg set

Properties

- Good chemical resistance
- Low temperature flexibility
- No toxic vapours
- Excellent thermal stability

50% module	11 Mpa
100% module	13 Mpa
200% module	18 Mpa
E-module	--
Elongation	± 330% (DIN 53504)
Tensile strength	± 23 N/mm2 (Din 53504)
Shore hardness	A 96 ± 5 (Din 53505, ASTM D2240)
MU value	1000
TG- Value	130°C
Fire class	B2 (DIN 4102) EN 13501-5

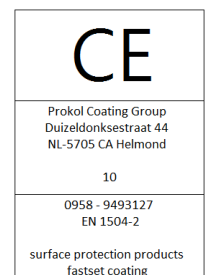
Liquid product properties

Colour	Colourless. Before use add a Prokol Hotspray colour paste.
Density	1,12 mixed product
Volume solids	100%
VOC quality	0 gram /kg
Flash point	>100°C
Shelf life	If cooled in unopened packaging and protected from frost, shelf life is at least 12 months from the production date.

Application information

This material must be applied utilizing high-pressure, heated plural component spray proportioning equipment. The proportioning equipment must be capable of supplying correct pressure and the for appropriate hose length on a consistent base. The spraying properties have a significant influence on the reaction time, hardening time and treatment.

Reaction time	± 5 seconds (type 136-T /05)
Tack free	30 – 45 seconds*
Spraying temperature	80 – 85°C
Hose temperature	75 – 80°C
Spraying pressure	Depending on the type of pistol and mixing chamber. - CS Pistol 130 – 140 bar - AP Pistol 150 – 180 bar
Usage	1,12 kg /m2/mm. From 1 mm. <i>The layer thickness applied partially determines the properties and must be adapted to the purpose. Consult the appropriate application sheets. Pools and basins are subject to special conditions. Consult the technical manual for these applications.</i>
Mixing ratio	1:1 in volume
Surface temp.	Minimum +5°C
Window time for next layers	<ul style="list-style-type: none">• Solvent-free layers maximum after 48 hours.• Solvent based layers with a minimum of 12 hours and a maximum of 72 hours. <i>The subsequent layer is to be applied within this time. Open times can be reduced as temperatures increase. If open times are exceeded, the current layer must be sanded and treated with a suitable primer.</i>



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Rocathaan Hotspray PA 136-T /05

Chemical resistance	7 x 24 hours*/*** <i>Each Prokol products has varying levels of resistance to specific chemicals. Chemical concentrations are complex and when combined temperatures above ambient levels this complexity increases exponentially. Contact Prokol technical support for specific recommendations.</i>
Mechanical resistance	2 x 24 hours*
Cleaning agent	Roca Cleaner N6500-P (for tools)
Rinsing agent	Roca Rinsing Agent TC-N (for hotspray equipment)

Comments before and during application

The temperature from the materials in the vessels needs to be at least 15°C with a maximum of 35°C. If it's too cold use the heaters of the spraying equipment to heat up the materials. **Attention!** It's very important to first start mixing the A (base) component for 20 minutes before start heating and circulating the materials through the pump. Use a Twistork-helix mixer to obtain a homogeneous mass.



The mixing time depends on the size of packaging. A 200 L drum, used for the first time or being used after a long period of time, should be mixed intensively for 45 minutes. Following this, short and thorough mechanical mixing is sufficient. Non-homogenous mixed products lead to deviating features in the end-result subsequently, after a couple of weeks or months, this may also lead to amine or isocyanates remnants bleeding into the finish.

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

The ambient and surface temperature must not be lower than +5°C, whereby the temperature of the base to be treated must be 3° above dew point. Condensation on the base reduces adhesion. Consult the dew point table.

The application of two component products may only be undertaken with a relative atmospheric humidity of less than 85 %.

Surface and conditions

The surface must be healthy, with minimum compression strength of 25 N/mm² and minimum bond strength of 1.5 N/mm² for standard floors and 2,0 N/mm² for heavy-duty floors.

The surface must be clean and free of diesel, oils and grease. All loose friable materials and foreign bodies must be removed by abrasive blasting, captive blasting, high pressure water blasting. This is to remove all surface laitance.

All concrete and anhydrite surfaces must be at least 28 days of age. Monolithic floors and formed surfaces must be abrasive blasted or other preparation means to clean and profile.

Remove any cement-skin and concrete residues by grinding and/or sanding.

Smooth and dense sub-floors (e.g. concrete) should be roughened by (dust-free) blasting. Unclean surfaces should be treated with a flame-gun and thereafter sanded. Always vacuum the floor to remove dust using an industrial vacuum cleaner.

Moisture content of surface: < 4% (parts by weight).

For detailed information regarding the pre-treatment of surfaces, please see the "Surface pre-treatment" product information sheet".

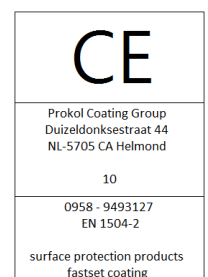
Various types of surfaces are available, some of which have individual pre-treatment requirements. If in doubt, contact your Prokol technician for more information.

Important

Projects and uses can vary greatly. Always contact your supplier if in doubt about a certain use, choice of material or surface treatment.

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

Due to its aromatic composition, Rocathaan Hotspray PA 136-T, will tend to yellow or darken in colour and become flat after exposure to UV light. Rocathaan Hotspray PA 136-T may be topcoated with Rocathaan Topspray or Rocathaan Coat UP2 for a colorfast finish.



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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, substrates 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. A copy of these sheets will be provided on request and is also available from www.prokolusa.com

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



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0958 - 9493127 EN 1504-2
surface protection products fastset coating

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