

# Rocathaan Hotspray PA 260-FR

## Description and application

Highly reactive and solvent-free hot spray coating, based on high-quality aromatic pure 100% polyurea. Because of fast-drying properties, almost any object can be covered seamless.

Developed as a seamless roofing system for new and old roofs and also for polyurethane spray foam and other substrates.

### Certificates:

- **Fire classification on top of bitumen according EN 13501-5 B<sub>ROOF</sub> (t2) – TUV**
- **Fire classification on top of polyurethane spray foam according EN 13501-5 B<sub>ROOF</sub> (t2) – TUV**
- **Fire classification on top of no burning materials like steel, tiles etc. according EN 13501-5 B<sub>ROOF</sub> (t2) – TUV**
- **CE marking based on ETAG 05 (pending) – BDA**

## Article number and packaging

19260-20	45 kg set
19260-200	452 kg set

## Properties

- Solvent free
- Low temperature flexibility
- No toxic vapours
- Excellent thermal stability

50% module	6,7 Mpa
100% module	8,1 Mpa
200% module	10,6 Mpa
E-module	--
Elongation	± 1900% (DIN 53504)
Tensile strength	± 13,6 N/mm <sup>2</sup> (Din 53504)
Shore hardness	A 87 ± 5 (Din 53505, ASTM D2240)
MU value	1000
TG- Value	130°C

## Liquid product properties

Color	Available in RAL 7032, 7024, 9005, oxyd-red, oxyd-green. Others on request.
Specific Gravity	1,12 kg /l
Volume solids	100%
VOC quantity	0 gram /kg
Flash point	>100°C
Shelf life	In unopened packaging, stored between 15 – 25 °C, at least 12 months from the production date.

## Application information

Processed by means of multiple apparatus components (hot spray) with a suitable spray pistol.

Reaction time	12 – 15 seconds
Tack free	30 – 120 seconds
Spraying temperature	For delivery's after 15-06-2017:

- A side (Amine) 85°C
- B side (Isocyanate) 85°C
- Hose 78 - 82°C

For delivery's before 15-06-2017:

- A side (Amine) 85°C
- B side (Isocyanate) 88°C
- Hose 78 - 82°C

**Important note!** It is vital that the B (isocyanate) component on the spraying machine is set 3 degrees higher in terms of temperature than the A (amine) component.

Spraying pressure	Depending on the type of pistol. <ul style="list-style-type: none"><li>- AP Pistol 180 – 200 bar</li><li>- CS Pistol 140 – 160 bar</li></ul>
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Usage	1,12 kg /m <sup>2</sup> /mm thickness. From 1,5 mm. For hard and stable materials 2,0 mm and for bitumen and polyurethane spray foam 2,5 mm.
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*The layer thickness applied partially determines the properties and must be adapted to the purpose. Values are given at 2 mm. Refer to the respective application sheets.*

Mixing chamber	Oval pattern
Mixing ratio	1:1 in volume
Surface temp.	+5°C and +30° C

Window time for next layers	<ul style="list-style-type: none"><li>• Solvent-free layers minimum after 1 and maximum after 48 hours.</li><li>• Solvent based layers minimum after 12 hours and a maximum after 72 hours.</li></ul>
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*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.*

Chemical resistance	7 x 24 hours*
Mechanical resistance	2 x 24 hours*
Cleaning agent	Roca Cleaner N6500-P (for tools)
Rinsing agent	Roca TC-N



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## 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 needs to have a closed structure without pores. The surface must be dry, clean and free of grease. The surface must also be suitable for the current purpose. Treat the surface in the correct manner and use an appropriate primer our webbing, if needed. In that case, read the technical product sheet of the product in question.

## Bitumen surfaces

The surface needs to be clean and free of grease. Loose parts need to be removed. A primer may be necessary in some cases. Consult the most recent primer overview.

## Wooden surface

Wooden surfaces must be of a closed nature. Pressed materials are preferred, as they can hardly contain any moist. A primer may be necessary in some cases. Consult the most recent primer overview.

## Mineral substrates

The surface must be healthy, with minimum compression strength of 25 N/mm<sup>2</sup> and minimum bond strength of 1,5 N/mm<sup>2</sup> for standard floors and 2,0 N/mm<sup>2</sup> 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.

Always use a suitable surface preparation. A primer will be necessary. Consult the most recent primer overview.

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

## Metal

Steel must be blasted to provide an anchor profile of 75 to 100 micron according to DIN EN ISO 12 944, Part 4. Use filters to avoid clogging of the drains.

## Note:

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

## Important

Due to its aromatic composition, Rocathaan Hotspray PA 260-FR, will tend to yellow or darken in colour and become flat after exposure to UV light. Rocathaan Hotspray PA 260-FR may be over coated. If a top coating is to be applied as a finishing layer, it must be suitable for the purpose and elasticity of the soft polyurea.



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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.

## 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, or any written recommendations or other advice that is given. The property rights of third parties must be respected.

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.prokol.nl](http://www.prokol.nl). This requires a login name and a password.

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



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