

Rocathaan Hotspray MP 620-SP

Description and application

Rocathaan Hotspray MP 620-SP is a solvent free, two component modified polyurea that is ideal protective coating for wood, fibreboard and wood laminates. This product as a very short reaction time which means it can be used to increase production efficiencies and reduce labor costs associated with using other wood coverings such as polyester fibreglass, vinyl and carpet.

This product exhibits a good balance of properties that includes; toughness, impact strength, flexibility and hardness.

Rocathaan Hotspray MP 620-SP is ideal for use on audio speakers, storage cases, wooden pallets and similar applications exposed to impact and abrasion.

Article number and packaging

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|-----------|------------------------------------|
| 19620-20 | 43 kg set (already on colour) |
| 19620-200 | 433 kg set (colourless product) |
| | 4,5 kg Prokol Hotspray Color Pasta |

Properties

- High mechanical properties.
- Zero solvent.
- Excellent thermal stability.
- No Pre-Heating wood.
- Fast cure times for speedy production.

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| Elongation | 19% (DIN 53504) |
| Tensile strength | 26,5 MPa (DIN 53504) |
| Shore hardness | D75 ± 5 (DIN 53505) |
| Impact test | 90 n/m |
| MU Value | 1000 |
| TG Value | 170 °C |
| Wear resistance taber | 100 mg |
| | 1000 cycles, 1000 g load, CS17 |
| Temp. performance | - 20 °C till 150 °C |

Properties liquid product

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| Colour | Available in most RAL colours |
| Density | 1,12 kg/l mixed product |
| Volume solids | 100% |
| VOC quality | 0 g/kg |
| 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. |

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.

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| Reaction time | ±10 seconds |
| Tack free | ±20 seconds* |
| Spraying temperature | 70 - 80 °C |
| Hose temperature | 70 - 80 °C |
| Spraying pressure | 130 - 150 bar |
| Mixing chamber | AR2020 typically |
| Usage | Minimum 0,4 mm dft (1,12 kg/m ² /mm) |
| Mixing ratio | 1:1 in volume |
| Surface temperature | +15°C |
| Open time* | Solvent free: max. after 3 hours Solvent-containing: min. 3 and max. 36 hours. <i>The subsequent layer is to be applied within this time. 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> |

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| Chemical resistant* | After 7 x 24 hours |
| Mechanical 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 the material.

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. Add the colour paste before start mixing.



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



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Rocathaan Hotspray MP 620-SP

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

Do not inhale spray mist. Ensure respiratory equipment designed for the conditions is worn while spraying. Refer to SDS from this product.

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

A surface must be dry, clean and free of grease. Preferably, a surface with closed structure. The surface must be able to meet the function for which it is used. Pre-treat the surface and apply a suitable primer if necessary.

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.

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.

This products is for professional use only.

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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