

Prokol FireGuard Pro 200

Description

Prokol FireGuard Pro 200 is a primerless application or high solid 2 K coating based on a synergistic mixture of aspartic ester resins and polyols. Prokol FireGuard Pro 200 has been developed to achieve an excellent and safe reaction with fire, combined with easy cleanability and high UV resistance.

With layer thicknesses of 150 microns the optimum properties are achieved for fire safety, mechanical properties and weatherability.

Prokol FireGuard Pro 200 dries quickly at room temperature.

Independently tested at Warrington Fire Gent.

Testing method EN 13501-1:2007+A1:2009.

Classification report No: 18831B class A2-s1,d0.



Applications

Prokol FireGuard Pro 200 can be applied on mineral substrates, metal, gypsum board and wood.

Prokol FireGuard Pro 200 can be applied to:

- Ceilings, floors and walls in communal rooms
- Stairwells
- Facades

Product number and packaging

42081-2	2,5 litre
42081-5	5 litre
42081-20	20 litre

Properties

- Safe reaction in combination with fire
- Wear resistant
- Easy to clean
- Anti-corrosive
- Quick drying under most conditions

Colour Off-white RAL colours. Others on request.

Gloss Gloss, egg gloss and mat on request.

Independently tested for:

Hardness – BS EN ISO 1580	Pass
Fire retardant – EN 13501-1:2007+A1:2009	Pass
QUV – ISO 11507	Pass
Impact resistance – ISO 6272-1	Pass
Cleanability – ISO 2812-1	Pass
Water	Pass
Washing-up liquid	Pass
Sainsbury Multi surface cleaner	Pass

Liquid product properties

Density	Mixed product 1,43 kg/l A component 1,475 kg/l B component 1,130 kg/l
Viscosity	A component ± 1500 Mpas B component ± 1000 Mpas
Volume solid	>89%
VOC content	85 gram /l
Shelf life	In the original unopened packaging, 12 months at a temperature of between 5°C and 40°C.

Application information

Application method	Brush, roller, spray gun, air mix. Manually applied always 2 layers. Spray applied One layer.
Mixing ratio	In volume: 3 parts base : 1 part hardener In weight: 795 grams base (A) : 205 grams hardener (B).
Spray pressure	70 – 130 bar Air mix, nozzle 9,13,15 30/40/60 degrees.
HVLP Gun	3,5 – 4 bar needle 2
Dry layer thickness	140 – 160 microns
Theoretical consumption	6 – 10 m ² /l
Practical consumption	Dependent on the object and conditions.
Dilution	Prokol VD-10 max. 3%, dependent on the equipment used, the application method and the mixed product's temperature. Do not add until base and hardener have been mixed.
Processing time	Approximately 30 minutes at a product temperature of 20°C. During processing the viscosity increases.
Dew point	The surface temperature must be, at least, 3°C above dew point.
Dust dry	20°C 45 minutes
Recoat time	20°C 4 hours
Fully chemical resistant	20°C 96 hours
Cleaning agent	Roca Cleaner R5518 (tools)

The times are indicative and affected by changing ambient conditions such as (product) temperature, relative humidity, ventilation and layer thickness.



CE

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0958 - 9493127
EN 1504-2

surface protection products
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Prokol FireGuard Pro 200

Mixing instructions

2-component products must always be mixed mechanically and preferably with an infinitely variable mixing/drilling machine. Use a suitable mixer that matches the diameter. As a guideline, the diameter of the mixer or whisk must be at least 1/3 of that of the container in which the product is mixed.

When preparing in parts, both components must be carefully stirred and weighed in advance.

Remarks concerning application

Allow the products to acclimatise in the area in which they will be processed for at least 24 hours. Avoid substantial temperature differences between the product and the surface, as this could have an adverse affect on the final result.

This product must only be applied in a relative humidity between 35% and 90%. A higher humidity will accelerate the curing while a lower humidity will result in a slower curing. The processing time of the mixed product co-depends on the product's temperature.

For some colours a 2nd layer can be needed because of the hiding power.

Surface

- Concrete surfaces should be dry, clean uncontaminated and dust free, the surface should be sanded or keyed to give good adhesion values
- Plaster board must be clean/dust free and free from contamination.

Important

Projects and applications can vary widely. If you are unsure about a specific application, choice of material or surface preparation, please contact your supplier at all times.

All technical data contained in this Data Sheet is based on laboratory tests. Data may vary, 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, 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 of 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 supersedes all previously published information sheets on this product.



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