



GREMMLER®

BAUCHEMIE

GI 201 Primer

- Solvent-free one component polyurethane primer

Product description

Application / Properties

GI 201 is a solvent free, unfilled and non-pigmented polyurethane-resin based one component reaction plastic for cement bound substrates. The product is used as a fast curing primer underneath adhesives for example for parquet floors, laminates, planks and PVC-floors as well as underneath coatings and waterproofing layers. It provides pore filling, solidification of substrate surface as well as improvement of the bonding properties of the adhesive.

GI 201 has very low viscosity and high capillary activity. It therefore efficiently penetrates the finest pores and capillaries, even at low temperatures. By use of GI 201 the surficial strength and tightness is increased to a special degree.

The product is designed for the direct use on mineral bound substrates with a residual moisture up to 4 % on cementous screeds (determined by CM method).

If applied twice, the product functions as a vapor retarder. For a complete waterproofing barrier against backwards moisture penetration we do recommend our product GI 115.

A certain amount of colour change and chalking must be expected under the influence of UV light because of the binding material that has been used.

Colors / Package item / Shelf life

Color:

Transparent

Package item:

5.5 kg, 11 kg; other units on request

Shelf life:

6 months after production date

Storage in original sealed units

Dry, cool and free of frost

TECHNICAL DATA:

Density at 23 °C / 50 % rel. hum. of air:

1.15 g/cm³

Adhesive strength:

> Concrete fracture

Solids content:

approx. 99 %

Viscosity (25 °C, V03.4):

130 – 200 mPas



APPLICATION

Material consumption:

100 – 350 g/m²

Processing time (at 50 % rel. hum. of air):

10 – 15 minutes (30 °C)

20 – 30 minutes (20 °C)

40 – 60 minutes (10 °C)

Tack free time (at 50 % rel. hum. of air)

min. 1 – 2 hours, max. 12 hours at 30 °C

min. 2 – 4 hours, max. 24 hours at 20 °C

min. 4 – 8 hours, max. 48 hours at 10 °C

Curing (complete mechanical stress at 50 % rel. hum. of air)

3 days (30 °C)

7 days (20 °C)

10 days (10 °C)

Application/Substrate:

The substrate has to be non-slip, clean, to be able to take loads and to be free of separating substances like fats, oils, etc. and at least dry.

The surface of the substrate has to be tested and to be prepared according to the results obtained by blasting, grinding or cutting. Depending on the kind of preparation there will be different degrees of roughness which has a strong influence on material consumption.

Application/Tools:

roller with short or medium-sized fur, rubber sweeper

Application/Mixing:

It is recommended to shake this unit before opening.

Application:

The product is poured onto the prepared area, applied with a rubber sweeper and uniformly spread criss-cross by use of a roller with short or medium-sized fur.

Application/General:

Material, air and substrate temperatures have to be measured and have to be between 10 °C and 30 °C during the whole application.

Furthermore care has to be taken into account that the substrate temperature is always 3 °C above the dew point temperature.

The relative humidity of air has to be within the range from 40 % to 80 %.

The product should be applied at a constant or decreasing temperature in order to avoid blistering by expansion of air in the substrate.

Good ventilation after application and during curing has to be ensured.

During the complete curing phase the area has to be protected against direct contact with water.



CE-LABELLING:

Products which fall under specifications regulated by a harmonized standard or for which a European Technical Assessment has been issued have be labeled in accordance with Annex III of Regulation (EU) No 305/2011 (Construction Products Regulation) with the CE-mark.

EN 13813:2002 „Screed material and floor screeds – screed materials – properties and requirements“ sets the rules for screed materials used for floor construction indoors.

Coatings and Sealers are included in this regulation as well.

For more detailed information please refer to the corresponding declaration of performance.

SAFETY INFORMATION:

Only for professional users.

For safe handling of polyurethane resins and their curing agents we do recommend attention to the following leaflets as a matter of principle:

Leaflet M044, Manufacturing and use of polyurethanes / isocyanates. (Ed.:Berufsgenossenschaft der Chemischen Industrie). Furthermore the relevant physical, safety-related, toxicological and ecological data have to be taken from the specific material safety data sheets.

Disposal:

Completely cured material may be disposed via domestic waste.

Hand residual emptied units over to Recycling. Liquid material has to be disposed of as paint waste which contains solvents or other dangerous substances.

VOC-Directive 2004/42/EG:

Category IIA/i Type Ib < 500 g/l VOC
(limit 2010)

Data base:

The determination of all the data and application information is based in laboratory tests. Measured values in practice may differ because of influences beyond our control.

Legal foundation:

The following specifications as well as the recommendations for handling and use of our products are based upon our knowledge and experience under normal conditions, at proper storing and application. Because of different materials, substrates and working conditions other than given normal values, a warranty of a working result or a liability – for whatever legal relationship - cannot be justified from these instructions or a verbal guidance respectively, unless intent or gross fault can be imputed to us. Here, the user has to prove that he had transferred in written form, in time and completely every knowledge that is necessary for an appropriate and promising estimation. The user is obliged to test the products on their suitability for the intended purpose. Incidentally our respective terms and conditions of business are valid. You get these on www.gremmler.de. Only the newest edition of this technical data sheet is valid.

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