



GREMMER®

BAUCHEMIE

GI 201

Primer

- **Rapid curing**
- **Low viscous**
- **Solvent free**

Product description:	GI 201 is a solvent free, unfilled and transparent polyurethane-resin based one component reaction plastic
Usage area:	Inside area: Floors in workshops, industrial halls, garages, basements and walls
Usage:	• Primer underneath adhesives for example for parquet floors, laminates, planks and PVC-floors as well as underneath coatings • Pore filler, for solidification of the substrate surface as well as for the improvement of the bonding properties of the adhesive.
Properties:	• Low viscous • High capillary activity • The surface strength and impermeability is notably increased. • 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.
Substrate:	• Residual moisture: < 4 % cement-based substrate (tested by CM)

Technical Data:

Colour:	Transparent, brown
Package size:	5.5 kg, 11 kg; other units on request
Storage life:	From production date 12 months; store in original containers; dry, cool, frost free
Density at 23°C / 50 % air humidity: EN ISO 2811-1:2011	Approx. 1.15 g/cm ³
Adhesive pull strength: EN 1542	> Concrete fracture
Solid parts:	Approx. 99 %
Viscosity (25 °C, V03.4): EN ISO 2884-1:2006	145 – 220 mPas
UV-resistance:	A slight change in colour and some chalking is expected.
Chemical resistance:	When completely cured resistant against: Water, sea and wastewater, numerous brines, diluted acids, saline solutions, mineral oils, lubricants, fuels and many solvents (with some materials a change in colour is possible). We advise to carry out suitability tests in advance.

Processing data:

Material usage:	100 - 350 g/m ² per layer These values are dependent on how the product is processed and on the substrate. The values are only for a rough estimate.
Processing time (at 50 % air humidity)	10 - 15 minutes (30 °C) 20 - 30 minutes (20 °C) 40 - 60 minutes (10 °C)
Revision time (at 50 % air humidity)	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 time (complete mechanical stress at 50 % air humidity)	3 days (30 °C) 7 days (20 °C) 10 days (10 °C)
Processing temperature:	10 - 30 °C

Processing:

Preparation of the substrate:	• Substrate must be dry, clean, rough, stable and free of separating substances like oil, fats etc. • Must be grinded or blasted. Depending on the preparation work, the surface may be rough in some places which will influence the consumption.
Tools:	• Rubber slider, short or medium piled roller
Mixing:	• It is recommended to shake this unit before opening.
Application:	• Apply the product with a rubber slider and evenly spread with short or medium piled roller in cross pattern. • When using as vapor retarder, GI 201 must be applied in two separate layers. The first layer may not be broadcasted as the protective properties may be lost. • If the revision time is exceeded the area has to be prepared after curing by grinding for the next layer.
Processing conditions:	• The material, air and ground temperature must be between 10 °C and 30 °C during the processing, installation and curing time. • The substrate temperature must be at least 3 °C above the dew point. • The air humidity must be always between 40 % and 80 %. • The application should take place when temperature is at a constant or falling value to avoid blisters because of the extension of air underneath the ground. It is important to keep an eye on the venting during and after the application. The area must be protected from any direct water contact during the whole curing time.

Further information:

CE-label:	DIN EN 13813: 2002
Safe handling:	The product is intended for professional use. Leaflet M044, production and processing of Polyurethanes and isocyanate. Please note the current safety data sheet.
VOC-contents:	VOC-directive 2004/42/EG: Category IIA/i type Ib < 500 g/l VOC
Disposal:	Disposal with the assistance of a disposal specialist under consideration of the current safety data sheet.
GISCODE:	PU 40

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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