



GI 202

Decorative binding agents

- Tough-elastic
- Crack-bridging
- Lightfast
- Solvent-free

Product description:	GI 202 is a solvent-free, non-filled or pigmented coating material based on a one component, light and weather stable polyurethane resin.
Usage area:	Binding agent for decorative synthetic resin screeds / stone carpet floors inside as well as outside.
Usage:	<ul style="list-style-type: none">• As crack-bridging sealant: for decorative floor coatings with structures surfaces like full flakes coatings• As binding agent: for the making of industrial and decorative synthetic resin screeds / stone carpet floors.
Properties:	<ul style="list-style-type: none">• Binding agent is tough-elastic, so the decorative coating can be applied under floor-heated areas (max. flow temperature of 35 °C).• Light-fast and weather resistant• Good scratch and abrasion resistance• High vapour permeability• GI 202 visually enhances the colours of the decorative floors and makes them appear many times more intensive and powerful.
Substrate:	<ul style="list-style-type: none">• Priming under stone carpet floors necessary. For example: GI 110 or GI 115.

Technical Data:

Colour:	Transparent
Package size:	6 kg, 10 kg; other units on request
Storage life:	From production date 6 months; store in original containers; dry, cool, frost free.
Density at 23°C / 50 % air humidity: EN ISO 2811-1:2011	Approx. 1.13 g/cm ³
Adhesive pull strength: EN 1542	> Concrete fracture
Solid parts:	Approx. 98 %
Viscosity (25 °C, V03.4): EN ISO 2884-1:2006	1100 – 1700 mPas
UV-resistance:	A slight change in colour and some chalking is expected. Polyurethanes with this composition only have a very small chance of colour change and chalking when under influence of UV-radiation. Due to the permeability of plastics to UV-radiation it is necessary to take into account, that the light-stable coating system components need to have this property as well.
Chemical resistance:	When completely cured resistant against: Water, sea and wastewater, a number of 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:	As sealing material: 300 – 600 g/m ² 1 : 12.5 – 1 : 20 as stone carpet dependent on the grading curve and open porosity of the finished layer. These values are dependent on how the product is processed and on the substrate. The values are therefore only for a rough estimate.
Processing time (at 50% air humidity)	25 – 30 minutes (30 °C) 50 – 70 minutes (20 °C) 100 – 140 minutes (10 °C)
Revision time (at 50% air humidity)	Min. 6 - 8 hours, max. 12 hours at 30 °C Min. 12 - 16 hours, max. 24 hours at 20 °C Min. 24 - 36 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:	<ul style="list-style-type: none">• Substrate must be dry, clean, rough, stable and free of separating substances like oil, fats etc.• Sealing with GI 202: Within the revision time on a recently made full flakes coating or onto a stone carpet.• Stone carpets are applied on prepared and primed area. In any case, the primer should be sprinkled with fire-dried quartz sand in order to achieve a certain resistance and therefore an easier installation.
Tools:	<ul style="list-style-type: none">• Short or medium piled roller, trowel etc.
Mixing:	<ul style="list-style-type: none">• It is recommended to shake the unit before use.
Application:	
Sealant:	<ul style="list-style-type: none">• For the sealing of stone carpets and cured full flakes coatings, the product is applied evenly spread with a short or medium piled roller while rolling in a cross shaped pattern.• The product is rolled onto open-poured coatings using a scraper grid.• It is essential to ensure an even application in order to avoid foaming and visual impairments.• In case of bigger areas care must be taken to work on in time in order to minimize overlapping traces and colour differences.
Stone carpet:	<ul style="list-style-type: none">• The finished binding agent GI 202 is homogeneously mixed with the aggregate in the compulsory mixer, spread over the area, the appropriate layer thickness set using levelling irons and then manually or mechanically compacted.• Sealing must be carried out within the revision time.• In case of bigger areas care must be taken to work on in time in order to minimize overlapping traces and colour differences.

Processing conditions:	<ul style="list-style-type: none"> • 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.
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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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