



GI 620

Self-levelling coating

- Durable
- Low emission
- Glossy
- Pigmented

Product description:	GI 620 is a solvent-free, coloured and prefilled coating material based on a dual-component epoxy resin.
Usage area:	Inside area: Labs, living rooms, show rooms, schools, hospitals and other public areas.
Usage:	<ul style="list-style-type: none">• Layer thicknesses between 1 mm and 3 mm
Properties:	<ul style="list-style-type: none">• High mechanically and chemically durable• High abrasion resistance• Usable in constant wet areas• Easy to clean• AgBB compliant according to the formulation, tested by LGA TÜV Rheinland in combination with GI 610 (test report: 3047328 C)• Smooth coating, but with the addition of special fillers, antiskid coatings can be made dependent on the requirements of respective trade associations.
Substrate:	<ul style="list-style-type: none">• Priming mandatory: Dependent on the substrate: GI 118, GI 610 or GI 615-001 can be used.

Technical Data:

Colour:	RAL 7032; more colours on request
Package size:	10 kg; 30 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. 1.5 g/cm ³
Adhesive pull strength: EN 1542	> Concrete fracture
Shore hardness: ISO 7619-1:2012	D > 80
Solid parts:	Approx. 100 %
Viscosity (25 °C, V03.4): EN ISO 2884-1:2006	Component A: 1900 – 3000 mPas Component B: 300 – 500 mPas
Mixing ratio:	4 : 1 (By weight) 2.6 : 1 (By volume)
UV-resistance:	A slight change in colour and some chalking is expected.
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 do some testing yourself depending the intended use.

Processing data:

Material usage:	1.5 kg/m ² /mm layer thickness Minimum layer thickness: 1 mm Recommendation: 1.8 – 2.25 kg/m ² 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)	20 - 25 minutes (30 °C) 40 – 50 minutes (20 °C) 80 – 100 minutes (10 °C)
Revision time (at 50 % air humidity)	Min. 6 - 8 hours, max. 12 hours at 30 °C Min. 8 - 12 hours, max. 24 hours at 20 °C Min. 16 - 24hours, 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, catchy, stable and free of separating substances like oil, fats etc.• Coating takes place on a prepared and primed substrate• Within the revision time, the coating can be applied directly onto the prepared and primed substrate. If the revision time is exceeded, the surface must be broadcasted with fire-dried Quartz-sand or, otherwise this area must be prepared by grinding after curing for the next layer.
Tools:	<ul style="list-style-type: none">• Smoothing trowel, toothed squeegee or similar
Mixing:	<ul style="list-style-type: none">• Pour the curing agent completely into the resin compound.• Mix intensively with slow turning mixer (we advise a double stirrer with the stirring units turning the opposite direction to each other).• Fill into another vessel and mix again.• Before applying to the substrate make sure to have an even and smear-free mixture.• Filling with Quartz sand is not advised.
Application:	<ul style="list-style-type: none">• The product is poured onto the prepared surface and spread with a toothed squeegee evenly.• If necessary, a spiked roller can be used to vent the coat. Venting must take place if there are issues with the substrate.• 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 should not be above 80 % at any time. 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. DGUV Rule 113-012: Handling with Epoxy resins Please note the current safety data sheets.
VOC-contents:	VOC-directive 2004/42/EG: Category IIA/j type Ib < 500 g/l VOC
Disposal:	Disposal with the assistance of a disposal specialist under consideration of the current safety data sheets.
GISCODE:	RE 30

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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