GREMMLER® BAUCHEMIE

GI 632 **Watery sealing**	• **Glossy** • **Pigmented** • **Low emission** • **Light stable**
Product description:	GI 632 is a solvent-free, water-based and pigmented sealing based on a dual-component, light stable polyurethane resin for mineral and reaction-resin bound substrates.
Usage area:	Inside areas: living rooms, lounges schools, hospitals, showrooms and comparable object
Usage:	• Glossy top coat in layer thicknesses between 80 µm and 150 µm
Properties:	• Medium mechanically and slightly chemically resistant • Good scratch resistance and light-fast • After sufficient curing time (minimum 36 hours) good abrasion resistance and easy to clean • AgBB compliant according to the formulation
Substrate:	• On mineral-based substrates priming with GI 613 is mandatory.

Technical Data:

Colour:	RAL 7032; more colours on request
Package size:	5 kg, 10 kg; Other units on request
Storage life:	From production date 12 months; store in original containers; dry, cool, frost free. **Attention:** Frost can irreversibly damage the product. Storage at temperatures > 30 °C can increase the number of medium sized particles which leads to a higher risk of sedimentation and coagulation.
Density at 23°C / 50 % air humidity: **EN ISO 2811-1:2011**	Approx. 1.14 g/cm^3
Adhesive pull strength: **EN 1542**	> Concrete fracture
Solid parts:	Approx. 53 %
Viscosity (25 °C, V03.4): **EN ISO 2884-1:2006**	Component A: 140 – 220 mPas Component B: 1600 – 2500 mPas
Mixing ratio:	7 : 1 (By weight) 7.1 : 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:	80 -150 g/m^2 per layer With critical colour or colour changes 2 – 3 layers are necessary These values are dependent on how the product is processed and on the substrate. The values are therefore only for a rough estimate.
Open time in the container (at 50 % air humidity):	Approx. 3 h (20 °C)
Processing time (at 50 % air humidity)	8 – 10 minutes (30 °C) 12 – 18 minutes (20 °C) 25 – 30 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:	• Substrate must be dry, clean, rough, stable and free of separating substances like oil, fats etc. • The sealing is to be applied onto a cement-bound substrate in condition as good as new, onto a thoroughly cleaned old coat or, within the revision time, applied directly onto a fresh coated surface. • On polymer modified, cement-bound substrates, samples areas have to be applied in advance to test the compatibility.
Tools:	• Short or medium piled roller, paint grids
Mixing:	• 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, if necessary, dilute with water and mix again. • Before applying to the substrate make sure to have an even and smear-free mixture. • The GI 613 is finished and ready to go. Though if necessary, the mixed product can be diluted with water up to 5 %.
Application:	• After mixing, the product needs to rest for 15 minutes and mixed once more. • The product is to be applied with help of a paint grid and spread evenly with a short or medium piled roller in a cross shaped pattern. • In case of bigger areas care must be taken to work on in time in order to minimize overlapping traces and colour differences. • While curing, GI 632 is susceptible to dirt. We advise to use shoe covers during the application and the final layer needs a minimum rest of 36 hours (20 °C).

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 has to 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 sheets.
VOC-contents:	VOC-directive 2004/42/EG: Category IIA/j type wb < 140 g/l VOC
Disposal:	Disposal with the assistance of a disposal specialist under consideration of the current safety data sheets.
GISCODE:	PU 40

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