



GI 134

Texture topcoat

- Tough
- For floors and walls
- Pigmented
- **Total Solid according to the test method of Deutsche Bauchemie**

Product description:	GI 134 is a coloured, thixotropic and specially adjusted sealing and coating material based on a dual-component epoxy resin which leaves the role structure.
Usage area:	Inside area: e.g. warehouses, workshops, stables, farms, automotive factories and lounges.
Usage:	• Topcoat for industrial and commercial uses • Texture coating, through the addition of special filler an anti-slip coating according to the requirements of respective trade associations can be made up to slip resistant class R10. • Coating for walls can only cover a maximum of 80 % of the wall area to allow for a sufficient moisture regulation. • The material temperature of GI 134 must be within the processing temperature range to ensure good handling performance.
Properties:	• Medium mechanical and chemical resistant • High abrasion resistance • Tough • High opacity • Usable in permanently wet areas • Easy to clean
Substrate:	• A Primer is necessary: GI 110 or GI 115 depending on the substrate

Technical Data:

Colour:	Approx. RAL 7032; more colours on request
Pack 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. 1.34 g/cm ³
Adhesive pull strength: EN 1542	> Concrete fracture
Shore hardness: ISO 7619-1:2012	D > 75
Solid parts:	Approx. 100 %
Viscosity (25 °C, V03.4): EN ISO 2884-1:2006	Component A: 37750 – 56600 mPas Component B: 400 – 600 mPas
Mixing ratio:	5 : 1 (By weight) 3.58 : 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 a number of solvents (with some materials a change in colour is possible). We advise to carry out suitability tests in advance.

Processing data:

Material usage:	500 – 700 g/m ² on smooth substrates (rough substrates lead to a higher usage) 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)	40 – 50 minutes (30 °C) 80 – 90 minutes (20 °C) 120 – 140 minutes (15 °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 15 °C
Curing time (complete mechanical stress at 50 % air humidity)	3 days (30 °C) 7 days (20 °C) 10 days (15 °C)
Processing temperature:	15 - 30 °C

Processing:

Preparation of the substrate:	• Substrate needs to be dry, clean, rough, stable and free of separating substances like oil, fats etc. • Coating takes place onto a prepared and primed substrate. • Wall areas are to be prepared through grinding or sand blasting and has to be primed. • Within the revision time, the coating can be applied directly onto the prepared and primed substrate. If the revision time is exceeded, the surface has to be broadcasted with fire-dried Quartz-sand or, otherwise this area has to be prepared by grinding after curing for the next layer.
Tools:	• Textured roller, trowel, sharp scraper 1.0 mm
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 mix again. • Before applying to the substrate make sure to have an even and smear-free mixture. • GI 134 is finished and ready to go therefore the product shall not be filled or diluted.
Application:	• The product is to be poured on the prepared area, applied with a toothed trowel and spread with a special roller in a cross shaped pattern. • For wall coating, the product is to be applied with a trowel and spread evenly with a textured roller. • In the case of bigger areas care has to be taken to work in timely manner in order to minimize the edges and colour differences.

Processing conditions:	• The material, air and ground temperature has to be between 15 °C and 30 °C during the processing, installation and curing time. • The substrate temperature has to exceed 3 °C above 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 has to be protected from any direct water contact during the whole curing time.
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Further information:

CE-label:	DIN EN 13813: 2002 DIN EN 1504-2: 2004
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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