



**GREMMLER®**

**BAUCHEMIE**

## GI 215 Primer

- Primer and waterproofing resin for asphalt bound substrates

### Product description

### Application / Properties

GI 215 is a low-solvent, filled and pigmented polyurethane-resin based dual-component reaction plastic. The product is used as primer and waterproofing on flexible substrates which may bleed like asphalt or bitumen.

The crack-bridging ability and the barrier effect depend on the layer thickness. These should be at least 500 - 800 µm above the peaks.

As following weather and UV stable layers we do recommend to use our self levelling coatings GI 220, GI 225 or alternatively our top coats GI 230, GI 233.

A certain amount of colour change and chalking must be expected under the influence of UV light because of the binding material that has been used.

### Color / Package item / Shelf life

**Color:**

Anthrazite

**Package item:**

30 kg; other units on request

**Shelf life:**

12 months after production date

Storage in original sealed units

Dry, cool and free of frost

### TECHNICAL DATA:

**Density at 23 °C / 50 % rel. hum. of air:**

approx. 1.43 g/cm<sup>3</sup>

**Elongation at break:**

approx. 60 %

**Tear propagation resistance:**

approx. 27 – 28 kN/m

**Shore-hardness:**

A > 85

**Solids content:**

100 %

**Viscosity (25 °C, V03 / V03.1 / V03):**

Component A: 1.300 – 1.900 mPas

Component B: 80 – 120 mPas

Mixture viscosity: approx. 1.200 mPas



## APPLICATION

### Mixing ratio:

6 : 1 (by weight)  
5 : 1 (by volume)

### Material consumption:

1.3 – 2.0 kg/m<sup>2</sup>

### Processing time (at 50 % rel. hum. of air):

15 – 22 minutes (30 °C)  
35 – 45 minutes (20 °C)  
70 – 90 minutes (10 °C)

### Tack free time: (at 50 % rel. hum. of air):

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 (complete mechanical stress at 50 % rel. hum. of air):

3 days (30 °C)  
7 days (20 °C)  
10 days (10 °C)

### Application/Substrate:

The substrate has to be non-slip, clean, to be able to take loads and to be free of separating substances like fats, oils, etc. and at least dry.

The surface of the substrate has to be tested and to be prepared according to the results.

### Application/Tools:

Smoothing trowel

### Application/Mixing:

Pour the curing agent completely into the main component. Mix intensively with a slow rotating stirrer (recommendation: double stirrer with shafts that rotate in opposite directions). Before applying onto the substrate a homogeneous mass, free of streaks has to be achieved. Pour into a different vessel and mix there intensively again to avoid bad spots.

### Application:

The product is poured onto the prepared surface, spread uniformly with a smoothing trowel and broadcasted with fire-dried quartz sand.

### Application/General:

Material, air and substrate temperatures have to be measured and have to be between 10 °C and 30 °C during the whole application.

Furthermore care has to be taken into account that the substrate temperature is always 3 °C above the dew point temperature.

Relative humidity of air may not exceed 80 %.

The product should be applied at a constant or decreasing temperature in order to avoid blistering by expansion of air in the substrate.

Good ventilation after application and during curing has to be ensured.

During the complete curing phase the area has to be protected against direct contact with water.



## CE-LABELLING:

Products which are effected by a harmonized standard or for which a European Technical Assessment has been issued should be labeled in accordance with Annex III of Regulation (EU) No 305/2011 (Construction Products Regulation) with the CE-mark.

DIN EN 13813 „Screed material and floor screeds – screed materials – properties and requirements“ (Jan. 2003) sets the rules for screed materials used for floor construction indoors. Coatings and Sealers are included in this regulation as well. Products that are conform with regulation mentioned above can be labeled with a CE-label.

For more detailed information please refer to the corresponding of performance declaration.

## SICHERHEITSHINWEISE:

Only for professional users.

For safe handling of polyurethane resins and their curing agents we do recommend attention to the following leaflets as a matter of principle:

**Leaflet M044**, Manufacturing and use of polyurethanes / isocyanates. (Ed.:Berufsgenossenschaft der Chemischen Industrie). Furthermore the relevant physical, safety-related, toxicological and ecological data have to be taken from the specific material safety data sheets.

### Disposal:

Completely cured material may be disposed via domestic waste.

Hand residual emptied units over to Recycling.

Liquid material has to be disposed of as paint waste which contains solvents or other dangerous substances.

### VOC-Directive 2004/42/EG:

Category IIA/j Type Ib < 500 g/l VOC  
(limit 2010)

### 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](http://www.gremmler.de). Only the newest edition of this technical data sheet is valid.

**GREMMLER BAUCHEMIE GMBH**  
**LISE-MEITNER-STRASSE 5**  
**46569 HÜNXE**

**PHONE: +49 (0)281 9440340**  
**FAX: +49 (0)281 9440344**  
**info@gremmler.de**  
**www.gremmler.de**