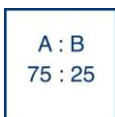


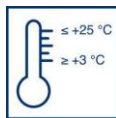
Technical Information Sheet  
Article No. 0899, 6097

# Epoxy Quick 100

Very fast reacting, transparent epoxy resin



Mixing ratio  
2 components



Working temperature



Mixing time



Brush, roller,  
apply standing



Pot-life



Store frost-free



Shelf-life

## Range of use

Epoxy Quick 100 is an unpigmented epoxy resin binder that is used as a primer, for levelling layers and for the production of compression resistant mortars beneath coatings.

### Application examples:

- Consumer markets
- Work shops
- Fabrication halls
- Assembly areas
- Food industry
- Butcher shops
- Bakeries
- For sealing coves
- Ramps
- Ground sills

## Property profile

Transparent, 2-component, liquid epoxy resin on a bisphenol A/F base:

- Cures very quickly
- Full cure as of 3 °C
- Low viscosity
- Good penetration capacity
- Plasticiser-free
- Nonylphenol and phenol-free

## Characteristic data of the product

	Comp. A	Comp. B	Mixture
<b>Density (25 °C):</b>	1.16 g/cm <sup>3</sup>	0.97 g/cm <sup>3</sup>	1.08 g/cm <sup>3</sup>
<b>Viscosity (25 °C):</b>	950 mPas	800 mPas	800 mPas
<b>Compressive strength:</b>	1 : 10 mortar* 67 N/mm <sup>2</sup>		
<b>Tensile bending strength:</b>	21 N/mm <sup>2</sup>		

\* Epoxy resin mortar with standard sand

- Can be subjected to heavy mechanical loads
- Can be subjected to chemical loads

The substrate must also have achieved moisture balance and be protected from the effects of moisture from behind, also during utilisation.

- Concrete max 4 % by mass
- Cement screed max. 4% by mass

## Substrates

The substrate must be load-bearing, dimensionally stable, sound, free of loose material, dust, oils, grease, rubber marks or other substances that could interfere with adhesion. Tensile strength on the surface of the substrate must be 1.5 N/mm<sup>2</sup> on average and compressive strength at least 25 N/mm<sup>2</sup>.

## Substrate preparation

The substrate should be properly prepared by suitable measures, e.g. steel ball jetting or with a diamond grinder to meet the specified requirements.

Broken out and missing areas in the substrate should be filled flush with the surface using the Remmers PCC System or with Remmers EP mortars.

### Directions

#### Tin can:

Add the entire quantity of hardener (comp. B) to the resin compound (comp. A). Mix the two components, then pour into a separate container and mix again thoroughly.

#### Multi-chamber bag:

Open the outer packaging along the perforation and remove the transparent, multi-chamber bag. Then remove the dividing strip between the 2 components. Mix the two components together by kneading the contents in the bag intensively (approx. 60 seconds).

When using filled systems, the corresponding quantity of filler is added to the epoxy resin mixture while mixing slowly until thoroughly mixed.

Directly after preparation, the ready to use mixture is poured onto the floor and distributed with suitable tools.

### Mixing ratio

75 : 25 parts by weight

### Pot-life

Approx. 15 minutes at 20 °C and 60 % relative humidity. Higher temperatures reduce; lower temperatures increase pot-life.

### Notes on working

When working, wear suitable protective equipment (see also Personal protective equipment).

#### Application method

Depending on application, apply with a rubber wiper, toothed rubber blade, toothed scraper, epoxy roller or smoothing trowel.

#### Waiting time

Waiting time between working operations should be at least 2 hours and max. 1 day at 20 °C.

If waiting times are longer than 24 hours, the surface of the last working operation should be blinded with fire-dried quartz sand. The

times given are reduced at higher temperatures and lengthened at lower temperatures.

#### Working temperature

The temperature of the material, ambient air and substrate must be at least 3 °C, max. 25 °C. Relative humidity should not exceed 80%. The temperature of the substrate must be at least 3 °C above the dew point temperature.

#### Drying time

At 20 °C and 60 % relative humidity: Foot traffic after 3 hours, mechanically loadable after 1 day, full loading capacity after 7 days; at lower temperatures correspondingly longer.

During the curing process (approx. 24 hours at 20 °C) the material should be protected from moisture which could impair the surface and reduce adhesion.

### Application examples

#### Priming:

The mixed resin is poured generously over the surface and distributed by suitable means, e.g. a rubber wiper, so that the pores in the substrate are completely filled. The resin is then worked into the substrate with an epoxy roller. Application rate is approx. 0.30 - 0.50 kg/m<sup>2</sup>, depending on substrate and application.

#### Levelling layer/scratch coat:

Distribute the material which has been filled up to 1 : 1 parts by weight over the primed surface with a suitable trowel and de-air with a spiked roller if necessary.

Application rate per mm thick layer: approx. 0.85 kg/m<sup>2</sup> epoxy resin and 0.85 kg/m<sup>2</sup> Remmers Quartz 01/03.

#### Stable epoxy resin repair mortar:

The material which has been filled up to 1:8 parts by weight is distributed and smoothed with a smoothing trowel.

Application rate per mm layer thickness: Approx. 0.25 kg/m<sup>2</sup> epoxy resin and 2.0 kg/m<sup>2</sup> Remmers Selectmix 25.

### Tools, cleaning

Smoothing trowel, toothed trowel, rubber wiper, epoxy roller, spiked roller, mixing equipment – positive mixer if necessary. Clean tools and

any splashed material immediately while fresh with V 101 Thinner.

When cleaning, take suitable protective measures (see Personal protective equipment).

### Personal protective equipment

Wear suitable nitrile rubber gloves, protective glasses, splash protection. Further details are found in our tool catalogue.

### Notes

The values given above were determined under laboratory conditions (20 °C) with standard shades of colour. When worked at the building site, slightly deviating values may occur.

Abrasive mechanical loads cause wear marks on the surface of the coating. The coating is not suitable for vehicles with metal or polyamide tyres!

When reordering or for delivery of different batches to the same object, always give the order or batch number of the first delivery.

Because of the different absorption behaviour of mineral substrates, impregnated surfaces may look spotty.

Epoxy resins are generally not colourfast when exposed to UV-rays and weather.

When coating adjacent surfaces, use only material with the same batch number since there may be slight differences in the shade of colour, degree of gloss and texture.

Further notes on working, construction of the system and maintenance of the products listed here are found in the latest Technical Information Sheets as well as in Remmers System Recommendations.

**Packaging, application rate, shelf-life**

**Packaging:**

Art. No. 6097, Multi-chamber bags:  
1 kg, 2.5 kg

Art. No. 0899, Tin can:  
10 kg, 25 kg

**Application rate:**

Depending on application between  
0.2 – 0.85 kg/m<sup>2</sup>

**Shelf-life:**

At least 12 months in closed and  
unmixed, original containers stored  
cool but frost-free.

**Safety, ecology, disposal**

Further information on safety when  
transporting, storing and handling as  
well as disposal and ecology is  
found in the latest Safety Data Sheet  
and the brochure "Epoxy Resins in  
the Building Industry and the Envi-  
ronment" issued by Deutsche  
Bauchemie e.V. (2<sup>nd</sup> edition as per  
2009).

**GISCODE: RE 1**

**VOC content:**

EU limit value for the product (Cat.  
A/j): max. 500 g/l (2010).  
This product contains < 500 g/l

**Emergency Information:**


Mon.- Tues. from 7:30 a.m. to  
4:00 p.m., Fri. from 7:30 a.m. to  
2:00 p.m.  
Product Safety Department:  
Tel.: +49(0)5432/83-138

The statements above are compiled from our field of  
production and according to the latest technological  
developments and application techniques.

Since application and working are beyond our control, no  
liability of the producer can be derived from the contents of  
this information sheet. Any statements made beyond the  
contents of this information must be confirmed in writing  
by the producer.

In all cases, our general conditions of sale are valid.  
With the publication of this Technical Information Sheet all  
previous editions are no longer valid.

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Remmers GmbH Bernhard-Remmers-Straße 13 D-49624 Lönningen  11  GBIII 026_4	
EN 13813:2002  0899  Synthetic resin screed for use internally in buildings	
Reaction to fire	E <sub>fl</sub>
Release of corrosive substances	SR
Wear resistance	≤ AR1
Bond strength	≥ B1.5
Impact resistance	≥ IR4

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