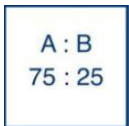


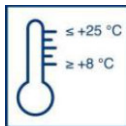
Technical Data Sheet  
Art. No. 0900

# Bonding Layer EP 2K

Solvent-free, 2-component epoxy resin



Mixing ratio  
2 components



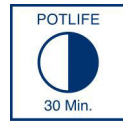
Working  
temperature



Mixing time



Brush



Pot-life



Store frost-free



Shelf-life

## Range of use

For the production of bonding layers indoors and outdoors when repairing concrete.

## Property profile

Bonding Layer EP 2K is a solvent-free, unpigmented, liquid, 2-component epoxy resin binder with pronounced adhesion promoting properties.

## System products

Repair Mortar EP 2K, Art. 0943  
Restoration Mortar EP 2K, Art. 0941

## Substrate

The substrate must be dry and load-bearing. Minimum tear strength 1.5 N/mm<sup>2</sup>.

Observe DBV Code of Practice – The Use of Cold-Cured Resins in Concrete Construction, part 2, Substrates.

## Directions

Add the entire quantity of the hardener component (B) to the resin component (A). Mix with a slow speed, electric mixer (approx. 300 –

## Characteristic data of the product

	Comp. A	Comp. B	Mixture
<b>Odour:</b>	neutral	amine-like	amine-like
<b>Colour:</b>	yellowish	yellowish	yellowish
<b>Density (g/cm<sup>3</sup>):</b>	1.12	1.02	1.10
<b>Viscosity:</b>	700 mPa·s	150 mPa·s	600 mPa·s
<b>Flash Point:</b>	102 °C	102 °C	

**Adhesive pull strength:** 3.5 N/m<sup>2</sup> failure of the concrete test sample

400 rpm.). Then pour into a separate container and mix again thoroughly.

Bonding Layer EP 2 K should then be applied within the given working time. If Restoration Mortar EP 2K cannot be applied to the bonding layer wet-on-wet, the entire surface of the bonding layer must be broadcast with fire-dried quartz sand. Priming must then be carried out again before applying the restoration mortar.

## Mixing ratio

75 : 25 parts by weight

## Working time

Approx. 30 min. at 20 °C, 1.0 kg mixture

## Tools and cleaning

Brush

Clean tools and any splashed material immediately while fresh with V 101 thinner.

## Notes

Do not use at temperatures below +8° C.

Higher temperatures and greater amounts reduce, lower temperatures increase working time.

## Packaging, application rate, shelf-life

### Packaging

0.4 kg and 1 kg tin cans

### Application rate

0.5 kg/m<sup>2</sup>

### Shelf-life

0900 Bonding layer EP 2K\_11.16

At least 9 months in closed and unmixed, original containers stored cool but frost-free.

**Safety, ecology, disposal**

Further information on safety for transporting, storage and handling as well as disposal and ecology are found in the latest Technical Data Sheet and the brochure "Epoxy Resins in the Building Industry and the Environment" published by Deutsche Bauchemie e.V. (2nd edition as per 2009).


**GIS Code: RE 01**

**VOC content**

EU limit value for the product (Cat. A/j): max. 140 g/l (2010)  
This product contains < 140 g/l VOC

**Emergency information:**

Mon.-Thurs. from 7:30 a.m. to 4:00 p.m.; Friday from 7:30 a.m. to 2:00 p.m.  
Product Safety Department:  
Tel.: +49 (0)5432 83-138  
After office hours:  
Giftinformationszentrum-Nord  
[Poison Information Centre North]  
24 h hotline +49 (0)551 - 19240

	
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EN 13813:2002  EN 1504-3:2005 Products for the structural and non-structural repair of concrete structures	
Compression strength	Class
Chloride ions content	≤ 0,05 %
Adhesion strength	≥ 0,8 MPa
Restricted shrinkage/swelling	≥ 0,8 MPa
Carbonation resistance	NPA
E-modulus	NPA
Reaction to fire	NPA

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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