



## PC 2K 45

### - Repair Mortar LW EP 2K -

Two-component, lightweight epoxy resin mortar for repairing concrete

Colour	Availability	
	Quantity per pallet	60
	Packaging unit	3 kg
	Type of container	Tin bucket
	Container code	03
	<b>Art. no.</b>	
concrete grey	0941	■

#### Range of use

- Repairing non-structural concrete building elements
- Specially designed for repairing fligree building elements that have been damaged by steel corrosion
- Rapid repair of small, isolated areas of damage
- Lightweight, high-strength reproductions and copies of figures, balusters, cornices and other profiled elements
- Restoration and repair of natural stone

#### Property profile

- Suitable for overhead working
- Excellent adhesion when used with Bonding Agent EP 2K
- Can be feathered out to virtually zero
- Low-tension hardening without shrinkage
- Impermeable to water at coating thicknesses of 5 mm and higher

#### Characteristic data of the product

##### ■ On delivery

	Component A	Component B	Mixture
Density (20 °C)	0.78 g/cm <sup>3</sup>	0.92 g/cm <sup>3</sup>	0.93 g/cm <sup>3</sup>
Viscosity (25 °C)	approx. 10 mPa s		

##### ■ Once fully cured

Flexural tensile strength	> 18 N/mm <sup>2</sup>
Compressive strength	> 48 N/mm <sup>2</sup>

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

#### Possible system products

- [PC S-PROTECT 2K \(0920\)](#)



➤ **PC Primer 2K (0900)**

**Preparation**

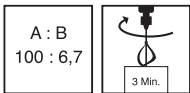
■ **Substrate requirements**

The substrate must be firm, dimensionally stable, capable of bearing loads and free of loose constituents, dust, oil, grease, rubber marks and other substances that could interfere with adhesion.

■ **Substrate preparation**

[AB\_B\_133]

**Production of the mixture**



■ **Combi-container**

Add the entire quantity of the hardener (component B) to the basic compound (component A).

Mix thoroughly with a slow-speed electric mixer (approx. 300 - 400 rpm).

Pour the mixture into a separate container and mix again thoroughly.

Mix for at least 3 minutes.

Insufficient mixing is indicated by streaks forming.

**Mixing ratio (A : B)**

100 : 6.7 parts by weight

**Directions**

For professional users only!



■ **Conditions for use**

Temperature of the material, air and substrate: from min. +8 °C to max. +25 °C

■ **Working time (+20 °C)**

Approx. 70 minutes

[VA\_B\_75]

[VA\_B\_76]

As a general principle, higher temperatures will reduce and lower temperatures will increase the times stated.

**Application examples**

■ **Synthetic resin mortar**

**Application rate**

Approx. 1.4 kg/m<sup>2</sup> per mm coating thickness

**Notes**

Unless otherwise specified, all of the values and application rates given above have been determined under laboratory conditions (20 °C). Slight deviations from these values may arise if the product is worked with on site.

Only for use on small surface areas!

Epoxy resins are generally not colourfast when exposed to UV light or weather.

Further notes on working, system construction and maintenance of the listed products can be found in the latest Technical Data Sheets and the Remmers system recommendations.

**Tools / Cleaning**



Smoothing trowel, scraper, stainless steel float, plasterer's float, suitable mixing equipment

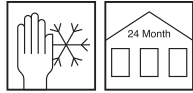
More detailed information can be found in the Remmers Tool Programme.

Clean tools, equipment and splashed material immediately while fresh with V 101 Thinner. Take suitable protective and waste disposal measures when cleaning.



**Storage / Shelf life**

If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for at least 24 months.



**Safety data / Regulations**

For professional users only!

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet and the brochure entitled "Epoxy Resins in the Construction Industry and the Environment", issued by Deutsche Bauchemie e.V. (2nd edition 2009).

**Disposal**

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

**VOC content as per the "Decopaint" Directive (2004/42/EC)**

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

**Declaration of performance**

➤ **Declaration of performance**

**CE marking**



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14  
GBIII 017\_4  
EN 1504-3:2005  
0941

**Product for non structural repair for concrete**

Compressive strength:	Class R2
Chloride ion content:	≤ 0.05 %
Adhesive bond:	≥ 0.8 MPa
Restrained shrinkage/expansion:	≥ 0.8 MPa

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.