

## Technical Information Sheet Article No. 0920

# Rust Inhibitor EP 2 K

Two-component corrosion protection for reinforcement steel in concrete repairs.

Test certificates: 85/1962 TU Brunswick  
57/5005 TU Brunswick  
57/5005-2 TU Brunswick

### Property profile

When used properly, the combination of a special epoxy resin with an active rust inhibiting pigment guarantees a pore-free, long lasting corrosion protection coating with extremely good adhesion capacity on sandblasted reinforcement steel that is resistant to condensation, chloride and SO<sub>2</sub> ions and complies with DIN standards.

### Range of use

Rust Inhibitor EP 2 K is used as a long term corrosion protection coating for reinforcement steel that has been de-rusted by sandblasting or mechanical cleaning and other steel elements in concrete restoration. The exposed steel substrate must be de-rusted by sandblasting or mechanical brushing to sound metal (SA 2 ½). The steel must be immediately protected against renewed corrosion.

### Working instructions

Mixing the hardener into the epoxy resin component:  
The epoxy resin solution and the hardener component are to be thoroughly mixed by mechanical means in the prescribed amounts and used immediately. The first coat is applied to the sound steel

### Characteristic data of the product in the packaged state

|  | Comp. A                                   | Comp. B      | Mixture       |
|--|---|--------------|---------------|
| Colour:  | reddish brown                             | yellow/brown | reddish brown |
| Odour:   | aromatic                                  | amine        | aromatic      |
| Density g/cm <sup>3</sup> :  | 1.35                                      | 1.04         | 1.3           |
| Viscosity:   | 2500 mPas                                 | 3500 mPas    | 3500mPas      |
| Flash Point:   | 28°C                                      | 25°C         | 24°C          |
| Mixing ratio:  | 10 : 4                                    |              |               |
| Condensation test:   | DIN 50 017 requirements fulfilled         |              |               |
| Condensation test with SO <sub>2</sub> :                                     | DIN 50 018 requirements fulfilled         |              |               |
| Salt spray test:   | DIN 50 021 requirements fulfilled         |              |               |
| Mean layer thickness:  | 230 µm                                    |              |               |
| Working time:  | Approx. 3 hours at 20° C, 0.5 kg mixture. |              |               |
| <b>Higher temperatures reduce, lower temperatures increase working time.</b> |   |              |               |

by brush. At the earliest after 3 hours but within the next 24 hours, the second coat is applied. The second coat is blined with fire-dried quartz sand 0.1-0.4 mm while fresh.

### Note

Rust Inhibitor EP 2 K should not be used if the object temperature is below +8° C.  
Higher temperatures reduce, lower temperatures increase working time.

### Tools and cleaning

Brush. Tools and any splashed material should be cleaned immediately while fresh with V 103 thinner. Avoid skin contact by wearing protective gloves.

### Packaging, application rate, shelf-life

**Packaging:**  
0.5 kg tin containers

**Application rate:**  
0.6 kg/m<sup>2</sup> for two coatings

**Shelf-life:**  
At least 9 months in closed, original containers, stored frost-free.

## Safety, ecology, disposal

Further information concerning safety during transport, storage and handling as well as for disposal is found in the latest Safety Data Sheet.

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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