

Water-based epoxy coating

Application

- Synthetic coating for floors and walls made of concrete or masonry
- Can be used in for example cellars, parking areas, workshops, ...
- Indoor use

Properties

- Two component.
- Water-based.
- Does not contain harmful or inflammable solvents.
- Perfect adhesion to dry or slightly damp substrate.
- Resistant to most chemical products, diluted acids and alkalines, mineral salts, oils and aliphatic solvents.
- With test certificate: suitable for contact with all kinds of foodstuffs excepting acidic foods (pH < 4,5), including contact at temperatures up to 70°C for up to 2 hours or contact at temperatures up to 100°C for up to 15 minutes.

Directions

Preparation

- The substrate must be sufficiently strong, sound, clean and all loose foreign matter must be removed.
- The substrate must be dry or slightly damp.
- Concrete floors must be prepared by sandblasting.
- With anhydrite and magnesite screeds, it is essential that any penetration of moisture into the floor is prevented.

Mixing

- Components A and B must be thoroughly and mechanically stirred in separate containers.
- Component B must be added to component A.
- Sufficiently stir until a homogeneous mass is obtained.
- Setting time after mixing: +/- 1/2 hours in a temperature of +/- 20°C.

Applying

- Apply by means of a roller or spraying gun.
- Apply in two layers.
- The first layer can be diluted with 5 up to 10% water.
- The second layer must be applied at the earliest 24 hour after the first layer and at the latest 72 hours after.
- Equipment must be cleaned with (soapy) water immediately after use.

Finishing (optional)

- In order to increase the scratch resistance, we recommend using our mat transparent PU Matcoat as a finishing layer. After applying PU Matcoat, the floor coating is suitable for contact with all kinds of foodstuffs including the acidic foods with pH < 4,5 (with test certificate).

Warning

- During polymerization no water should come into contact with the product.
- Do not apply when the temperature is less than 10°C (ambient temperature, surface temperature and product temperature).
- It is necessary to ventilate small or closed rooms.

Technical characteristics

| | |
|--------------------------------------|---|
| Appearance | slightly thixotropic after mixture |
| Density | +/- 1,46 |
| Dry ingredient content | +/- 60% |
| Type of material | epoxy in emulsion |
| Impermeability | completely watertight |
| Film 1 mm | 7 days/0,6 kg/m ² pressure |
| Adhesion | class 0 ASTM D 3389-D 3002 (Cross cut tester n°1547) |
| Resistance to blistering | no blistering ASTM D 23266-68 (38°C +/- 1 HR 95 – 100%) |
| Test certificate foodstuffs | suitable for contact with all kinds of foodstuffs (pH < 4,5) according to European Regulations |
| Fully develops mechanical properties | after 1 week |
| Fully develops chemical properties | after 1 week |

Colors

RAL-colors

Gloss level

Silk

Reports

- IBE-BVI: Report CFP-16.118: Test certificate

Mixing ratio

In weight = A : B = 100 : 20,7

In volume = A : B = 100 : 25,6

Quantity to use

First layer 0,20 – 0,35 ltr/m² depending of the subsoil

Second layer 0,15 – 0,25 ltr/m²

Packaging

2,5 ltr and 10 ltr

Safety information – Transport – Handling and storage - Waste

Consult the most recent and product-related safety information sheet from Rewah in compliance with the (EU) 453/2010 annex II/A guidelines. The information on the abovementioned safety information sheet has been drawn up with the greatest care and is based on the knowledge available at the date of issue. We accept no liability for damage or hindrance of any kind which could be caused by the use of the product concerned.

Transport and storage

Transport and store away from frost. Protect the product and its packaging against direct sunlight. Avoid storage at temperatures >30°C.

Storage life

2 years after manufacturing in the original closed packaging.

Considerations

The data included in this sheet, the application advices and other recommendations are based on extensive research and experience. They are however not binding also in relation to third party liability. They do not protect the customer against checking the products and directions for their suitability for the purpose. The characteristics and properties described are average values and analyses registered at 20°C, variances are tolerated. Our customer service will gladly answer your questions. The rewrite of this sheet replaces all previous sheets.