

Epoxy trowel mortar for high mechanical loads

USAGE

EPISOL EM is a vapour permeable, highly mechanically loadable trowel mortar.

EPISOL EM is for indoor and outdoor use. Used in warehouses, workplaces, garages, heavy mechanical industry. Suitable for ramps.

CHEMICAL RESISTANCE

EPISOL EM has an excellent chemical resistance to alkalis, petroleum derivatives, acid, diluted organic acids, salts and solutions. For more information please contact RESIPLAST NV.

PROPERTIES

- High mechanical resistance
- Can be applied inside and outside
- Vapour permeability
- Non-slip
- Can be walked on after 12 hours
- Good smoothing qualities
- Moisture-insensitive hardening
- High chemical resistance

PROCESSING**• Preparing the application surface**

Make sure the surface is clean. The recommended processing temperature for the surface, the surroundings and the material is 15 to 25 °C. Do not use below 10 °C.

Apply EPISOL EM on a still tacky coat of EPISOL PRIMER EM or on a sprinkled cured primer coat.

• Mixing

Stir the base (component A) evenly before use. Add the full amount of hardener (component B) and mix mechanically (300rev/min) until both components are homogeneous. Slowly add the filler component to the mix. Mix until homogeneous.

• Application

Spread the mass with a squeegee or trowel. Press firmly and smoothen with trowel. Apply several coats (wet on wet) for layer thicknesses greater than 1.5cm.

Minimum layer thickness 6mm, optimal layer thickness is between 8 and 11mm.

After 12 hours, EPISOL EM can be finished off with EPISOL RP/NV, EPISOL AQ PAINT, EPISOL PRIMER RFE or EPISOL Primer EM.

• Use

After 12 hours of curing, you can walk on the floor.

Can be mechanically loaded after 4 days.

Complete chemical resistance after 7 days at 20 °C, lower temperatures will extend the curing time.

PACKAGING

| EPISOL EM | Comp A | Comp B | Comp C |
|-----------|--------|--------|--------|
| Set 24kg | 1.88kg | 0.72kg | 21.4kg |

TECHNICAL SPECIFICATIONS

| | |
|--|---|
| Specific mass | 2.0kg/dm ³ |
| Colour | Sand colour |
| Surface | Non-slip surface |
| Pressure resistance | >70N/mm ² |
| Flexural strength | >20N/mm ² |
| Tensile strength | >5N/mm ² |
| Adhesion to concrete | 2.6N/mm ² (exceeds concrete cohesion) |
| E-modulus | 1400N/mm ² |
| Fire class | Class B2 |
| Heat resistance | 60 °C |
| Layer thickness Optimal layer thickness | From 6mm 8 – 11mm |
| Min. processing temperature Min. curing temperature | +10 °C +5 °C |
| Processing time | approx. 25 minutes at 20 °C |
| Hardening time at 20 °C | Can be walked on 12 hours Can be mechanically loaded 4 days Can be chemically loaded 7 days |
| Curing | Non-shrinking |
| Shelf life | 24 months |

CE CERTIFICATE

| |
|---|
|  |
| Resiplast NV, Gulkenrodestraat 3, B-2160 Wommelgem |
| 12 |
| EN 13813 |
| Resin screed/coating for use indoors in buildings. |

| | |
|-------------------------------------|----------------------------|
| Reaction to fire | E _{fl} |
| Release of corrosive substances | SR |
| Water permeability | NPD |
| Abrasion resistance (Taber) | <15mg (CS10-1000tr-1kg) |
| Adhesion strength | B 1,5 |
| Impact resistance (DIN EN ISO 6272) | >10Nm |
| Soundproofing | NPD |
| Sound absorption | NPD |
| Thermal resistance | NPD |
| Chemical resistance | NPD |

USAGE

2kg/m² per mm layer thickness

APPEARANCE

| | |
|-------------|--|
| A-component | Modified epoxy resin lightly thixotropic |
| B-component | Polyamine hardener |
| C-component | Dry filler |
| Colour | Sand colour |

YOU WILL NEED TO SUPPLY

- Paint roll
- EPISOL PRIMER EM
- Mixing bucket
- Cleaning solvent for tools: MEK SOLVENT

STORAGE

Store EPISOL EM in a dry, well ventilated storage area between 5 and 35 °C. 24 months shelf life, C component unlimited shelf life.

If in doubt, contact RESIPLAST NV and provide the batch number on the package. Do not let the product get in contact with ground water, surface water or sewage systems. Dispose of contaminated packaging and remnants according to legal regulations.

SAFETY

Carefully read the safety instructions before using EPISOL EM. Products have a characteristic odour when being applied. Ensure there is sufficient ventilation, stay away from ignition sources and do not smoke. Avoid contact with skin. Eye irritation and/or sensitivity may occur during heavy vapour concentrations, inhalation and/or skin contact. Do not keep food products (food, beverages) in the same workspace. Always wear personal protective equipment according to local guidelines and regulations. Gloves and safety goggles are mandatory.

The above information is provided in good faith, but without any guarantees. The application, use and processing of the products are beyond our control and are, as such, the sole responsibility of the user/processor. In the event that Resiplast N.V. is still held liable for damages, then the claim will still be limited to the value of the goods delivered. We always aim to deliver consistently high quality goods. This version replaces all previous versions. Version 1.4 Date: 4 May 2021 3:37 pm