

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 smoothening 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: 5 November 2020 4:04 pm