

EPISOL® RM

EPOXY TROWEL MORTAR

DESCRIPTION

EPISOL® RM is a vapour permeable, mechanically loadable trowel mortar.

BENEFITS

- High mechanical resistance
- Can be polished
- Vapour permeability
- Can be walked on after 12 hours
- Good smoothing qualities
- Silicone-free
- High chemical resistance
- Odourless

FIELD OF APPLICATION

EPISOL® RM can be used as a levelling mortar for other finishes. It is suitable for ramps and can be polished.

APPLICATION

Note: The following is a typical application description. In case of other jobsite parameters, please contact our technical department.

PRELIMINARY ANALYSES

Before starting the substrate preparations and the application of the product it is important to verify the different parameters to obtain good sustainable results.

Compressive strength of the substrate: min. 25 N/mm²

Tensile strength of the substrate: min. 1.5 N/mm²

EPISOL® RM can be applied on a slightly damp underground.

Moisture content in the substrate: ≤ 10% moisture.

Conditions during application and curing: see "Application conditions" further described in this technical sheet.

Technically studied dilatation joints have to be provided. These are reintroduced in the resin system to be placed. The flatness of the floor has to be corresponding with the desired requirements. If this is not the case, correct measures need to be taken to fill up irregularities or to leveling with products that are complementary to the substrate and the resin system to be applied.

Passive joints and cracks or flaws can be overcoated. This is on the condition that they are not used as dilatation joints or if they do not follow the different movements of the construction and the substrate and that they are levelled with complementary products to the substrate and to the resin to be applied.

REQUIRED TOOLS

- Paint roll
- Flat trowel and squeegee
- Mixing bucket

PREPARATION OF THE SUBSTRATE

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

PREPARATION OF THE PRODUCT

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

PREPARATION OF THE EQUIPMENT

Always work with clean mixing and application equipment.

APPLICATION

Spread the mass with a squeegee or trowel. Press firmly and smoothen with flat trowel or power trowel.

Minimum layer thickness 5 mm, optimal layer thickness is between 6 and 10 mm.

After 12 hours, EPISOL® RM can be finished off with EPISOL® DESIGNTOP SF. Alternatively EPISOL® AQ PAINT can be applied (min 2 layers)

COMPLIMENTARY PRODUCTS

- EPISOL PRIMER EM
- Cleaning solvent for tools: MEK SOLVENT

TECHNICAL DATA

APPEARANCE - COMPOSITION

A-component	Modified epoxy resins
B-component	Polyamine hardener
C-component	Dry filler
Colour	Sand colour

REACTION TIMES

After 24 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.


CONSUMPTION2 kg/m² per mm layer thickness**TECHNICAL DATA**

Specific mass	2.0 kg/dm ³
Colour	Sand colour
Surface	Surface slightly porous
Pressure resistance	>35 N/mm ²
Flexural strength	>12 N/mm ²
Tensile strength	>1.5 N/mm ²
Adhesion to concrete	2.6 N/mm ² (Exceeds concrete cohesion)
Fire class	Class B2
Heat resistance	60 °C
Layer thickness Optimal layer thickness	From 5 mm 6 – 10 mm
Min. application temperature Min. hardening temperature	+10 °C +10 °C
Processing time	+/- 30 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

CHEMICAL RESISTANCES

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

CE MARKING

	
KORAC NV, Gulkenrodestraat 3, 2160 Wommelgem, Belgium	
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EN 13813	
Synthetic resin floor/coating for indoor use in buildings	
Reaction to fire	NPD
Release of corrosive substances	SR
Water permeability	NPD
Abrasion resistance (Taber)	<10 mg (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

REFERENCE DOCUMENTS**PACKAGING**

EPISOL® RM	Comp A	Comp B	Comp C
Set 28 kg	2.2 kg	0.88 kg	24.92 kg
Set 56 kg	4.4 kg	1.76 kg	24.92 kg x 2
Set 84 kg	6.6 kg	2.64 kg	24.92 kg x 3

STORAGE AND SHELF LIFE

Store EPISOL® RM in a dry, well ventilated storage area between 5 and 35 °C.

Shelf life: 24 months, 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 PRECAUTIONS

Carefully read the safety instructions before using EPISOL® RM. 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 KorAC NV 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. All values on this technical sheet are average values that result from tests carried out under laboratory conditions (20 °C and 50% RH). Values that are measured on the construction site may show a slight deviation since the environmental conditions, the application, and the way of processing our products are beyond our control. Do not add any products other than those indicated on the technical documentation. This version replaces all previous versions. Version 2.0 Date: 29 August 2023 3:04 pm