

E5

EPOXY MORTAR

HIGH PERFORMANCE, THREE COMPONENT EPOXY ADHESIVE ANCHOR SYSTEM AND MORTAR

EPOXY

Epoxy Mortar is solvent-free, 3 component thixotropic mortar based on a combination of epoxy resin and selected quartz aggregates. After mixing it becomes an easy to use multipurpose repair and adhesive mortar.

USES

Epoxy Mortar may only be used by experienced professionals. Epoxy Mortar is typically used:

- As bonding mortar on stone, concrete, mortar, plaster work, etc.
- For vertical and overhead filling of cavities
- For damaged stair-nosings and spalled concrete
- As abrasion resistant protective layer

Suitable for bearing pad for bridges and heavy machinery.

ADVANTAGES

Easy to mix and apply

- Solvent-free
- Suitable for dry and damp concrete surfaces
- Very good adhesion to most construction materials
- Unique, high mechanical and structural strengths
- Good abrasion resistance

PRODUCT INFORMATION

Composition	Epoxy resin
Packaging	1 kg / 5 kg set
Appearance / Colour	Standard
Shelf Life	12 months from date of production
Storage Conditions	Store properly in unopened, undamaged and sealed original packaging, in dry conditions at temperatures between +4°C and +40°C
Mortar Density	Part A+B+C : ~1.96 kg/l (at +25 °C)
Water Absorption	Mortar(0.56%) (ASTM D570)

TECHNICAL INFORMATION

Compressive Strength	up to 75 N/mm ² (28 d / +25 °C) (ASTM D695)
Tensile Adhesion Strength	10 N/mm ² (ASTM C882)
Tensile Strength	12 N/mm ² (28 d / +25 °C) (ASTM D638)

APPLICATION INFORMATION

Pot Life	65 mint at temperature +30 °C
Consumption	Mortar Part A+B+C ~2.2 kg/m ² per mm of thickness

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APPLICATION INSTRUCTION

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete, mortar, stone should be thoroughly prepared by high pressure water jetting or mechanical means such as grinding, chiselling etc. Cracks must be cleaned to remove dust with compressed air.

MIXING

Mixing for primer Weigh the resin (comp. A) and hardener (comp. B) part as per mixing ratio (by weight) and mix together for 3 minutes at slow speed (400-500 rpm) with a mixing spindle attached to an electrical drill. Continue mixing until the material becomes uniform in color. Avoid aeration while mixing. Mix only that quantity which can be used within its pot life. Apply one coat primer on substrate to ensure excellent bonding between substrate and coating or mortar layer.

Mixing for Mortar system To prepare an epoxy mortar slowly add 5 - 6 parts by weight of filler (comp. C) to 1 part of mixed Part A + Part B and mix until uniform in consistency

APPLICATION

Mortar Application Prime prepared surface with neat Part A & Part B of Epoxy mortar. Place prepared epoxy mortar before the primer becomes tack-free. Place the epoxy mortar using trowels. Finish with finishing trowel.

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling storage and disposal of chemical products, users shall refer to the most recent MSDS containing all the details.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application.



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