

EmO Seal TA 500 ep

Epoxy tile adhesive and grout

Uses

A chemical resistant adhesive and grout for bonding quarry and ceramic tiles to concrete or steel and as a multi-purpose adhesive for bedding and repairs.

- Water proof
- Chemical resistant
- Food grade
- Solvent free
- No smell or harmful chemicals
- Easy to clean
- Good adhesion to steel and concrete

Description

EmO Seal TA 500ep is a three component solvent free and odor less epoxy resin based adhesive consisting of a clear base, a light brown hardener and specially selected filler. The components are mixed together to give a smooth non-slump paste adhesive and grout.

Properties

Compressive strength : 80 N/mm²

(BS 1881, Pt 116)

Tensile strength : 15 N/mm²

(ASTM C 307-61)

Bond shear strength : 7 N/mm²

(ANSI A 118.3 E5.5)

Slant Shear Bond Strength : 35.0 N/mm²

(BS 6319: Pt 4)

Flexural Strength : 32 N/mm²

(ASTM C580)

Specific gravity : 2.0

Pot life : 2 hours

Open time : 2 hours

Adjustable time : 3 hours

Initial set : 8 hours

Initial cure : 24 hours

Instructions for use

Surface preparation

All surfaces should be clean and free from dust, loose particles, Oil and grease.

Mixing

The base (Part A) and hardener (Part B) components should be individually stirred to re-disperse any settlement. The base and hardener should then be mixed together until a uniform color is obtained. The filler (Part C) should then be incorporated using a slow speed drill and paddle.

Application

The mixed material should be spread over the surface using a notched trowel or comb. Tiles should be placed within the open time of the adhesive.

Cleaning

The tile adhesive can be removed from tiles, tools and mixing equipment before initial set using a damp rag. After initial set, mechanical removal will be necessary.

Limitations

EmO Seal TA 500 ep should not be applied to damp or wet surfaces. It should not be exposed to moving water during application.

Estimating

Supply

EmO Seal TA 500ep : 10 liter packs

Coverage : 5m² @ 2mm thickness

Storage

When stored at 30⁰c in dry conditions in the original, unopened packs, EmO Seal TA 500ep will have a shelf life of 18 months.

Precautions

Health and safety

Ensure adequate ventilation and avoid inhalation of vapors. Wear suitable protective clothing, gloves, eye wear and respirators.

Direct contact with eyes will cause irritation and may cause serious damages. Any eye contamination should be thoroughly with water and immediate medical attention sought.

Any skin contact should be cleaned with soap and water immediately. If swallowed, do not induce vomiting. Seek medical advice immediately.

Fire

Flammable

No smoking. Ensure adequate ventilation. Do not use near a naked flame.

Company information

ELMRR chemicals manufacture a broad range of construction chemicals which include:

- Industrial floorings
- Adhesives and bonding agents
- Water proofing products
- Joint sealants
- Cementitious and epoxy grouts
- Concrete repair systems
- Concrete admixtures
- Low alkali micro concrete

For further information, please contact the following address.

Manufactured By:

Elmrr Chemicals

FACTORY & H.O
P.O.BOX 176, PC 124,
Rusayl Industrial Area,
Sultanate of Oman
Tel: +968 24446914
Fax: +968 24446776

Email: sales@elmrr.com

www.elmrr.com