



EmO Seal EP

Epoxy Resin Concrete Bonding Agent

Uses

A Chemical resistant adhesive for bonding concrete or steel, and as a multi-purpose adhesive for vertical or horizontal applications. The product is ideal for roads, bridges, pavements, loading bays and factories.

- Can be applied to dry or damp substrates
- Chemical resistant
- Food grade
- Solvent free
- No smell or harmful chemicals
- High mechanical strength
- Good adhesion to steel and concrete
- Slow cure

Description

EmO Seal EP is a two component solvent free and odor less epoxy resin based adhesive consisting of a base and a light brown hardener. The components are mixed together to give a smooth non-slump paste adhesive

Standard Compliance

ASTM C881:Type 1,2,3,4 & 5, grade 2 class E & F

Properties

Compressive strength	:	80 N/mm ²
(BS 1881, Pt 116)		
Tensile strength	:	35 N/mm ²
(ASTM C 307-61)		
Bond shear strength	:	7 N/mm ²
(ANSI A 118.3 E5.5)		
Slant Shear Bond Strength	:	35.0 N/mm ²
(BS 6319: Pt 4)		
Pot life	:	1 hours
Open time	:	2 hours
Adjustable time	:	3 hours
Initial set	:	8 hours
Initial cure	:	24 hours
Full Cure	:	5 days @35 ^o c

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.

Application

The mixed material should be spread over the surface using a brush. Make sure to achieve an unbroken coating across the entire substrate

EmO Seal EP should be tacky before the new concrete, screed or mortar is placed.

Cleaning

EmO Seal EP can be removed from tools and mixing equipment's before initial set using any epoxy thinner. After initial set, mechanical removal will be necessary.

Limitations

EmO Seal EP should not be exposed to moving water during application.

Try to eliminate application in the middle of the day, and certainly avoid application in direct sunlight.

Estimating

Supply

EmO Seal EP : 5 liter packs

Coverage : 4m²/ LTR

Storage

When stored at 30⁰c in dry conditions in the original, unopened packs, EmO Seal EP 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 concretes



For further information, please contact the following address.

Manufactured By:

ELMRR Construction Chemicals

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

Email: info@elmrr.com

www.elmrr.com