

PACTORep Primer EP

Epoxy resin primer and bonding agent
for cementitious materials



DESCRIPTION

PACTORep Primer EP is a two component solvent free primer and bonding agent based upon epoxy resins, used to produce an excellent adhesion of toppings and coatings to existing concrete substrates or epoxy based materials.

STANDARD

ASTM C 881 Type V, Grade 2, Class C

TYPICAL USES

PACTORep Primer EP may be applied onto clean, sound substrates to promote a high strength bond to cementitious materials such as :

- Concrete repair applications and other cementitious systems
- Granolithic screeds and floor screeds
- Masonry paving
- Bonding of newly poured concrete to existing one.

ADVANTAGES

- Excellent mechanical strength & properties
- Produces a bond that exceeds the cohesive strength of the parent substrate
- Provides an impervious barrier to the passage of chlorides
- Very good water resistance
- Solvent free

TECHNICAL DATA

Mixed Density (ASTM D 1475) 1.60 kg/ltr \pm 0.05

Compressive strength (BS 6319: Pt 2) 55 N/mm²

Bond Strength to concrete by Slant Shear (ASTM C 882) >20 N/mm²

Typical results @	20°C	30°C
Pot life	6hrs	3hrs
Max. Overlay time	20hrs	10hrs
Initial hardness	48hrs	24hrs
Full cure	7days	7 days

VOC (USEPA 24) 20 g/L

APPLICATION

Preparation

It is essential that adequate preparation is carried out prior to the application of PACTORep Primer EP. The prepared surface should be free from laitance, dust, algae, oil and grease.

MIXING

PACTORep Primer EP is supplied in a two component kit, consisting of a base component and a curing agent. The components are pre-weighed and should not be split or divided. The entire contents of the curing agent should be emptied into the base component, ensuring that the sides of the curing agent tin are carefully scraped to remove all the material.

The combined materials should then be mixed using a suitable slow-speed drill and mixing paddle for 2 minutes until uniform. The sides of the tin should then be scraped and mixing should continue for a further 2 minutes.

Application

The mixed product may be applied by brush. The theoretical consumption rate is 5m²/litre.

Where PACTORep Primer EP is used as part of the PACTORep concrete repair system, care should be taken to ensure an unbroken coating. One coat should be applied and allowed to gel. A second coat should then be applied and used to provide the bond.

Where a subsequent repair product is to be applied by spray, then sharp sand may be broadcast into the surface of the second coat of the primer.

TEMPERATURE OF APPLIED MATERIAL

Minimum	5°C
Maximum	35°C



To improve mixing and application characteristics, at temperature below 15°C, the material should be stored in an environment above this temperature.

At temperature above 35°C the material may be applied, however, the pot life will be reduced. In these situations therefore, we would recommend that the material should be stored in a cool environment

PACKAGING AND YIELD

FACTOREP Primer EP is supplied in 1, 5 and 15 litre units. The theoretical consumption rate is 5m²/litre.

STORAGE AND SHELF LIFE

FACTOREP Primer EP has a shelf life of 12 months when stored in original, unopened containers in a cool, dry environment.

HEALTH AND SAFETY

Contact with skin and eyes should be avoided. It is essential that adequate ventilation is provided and that all personnel avoid inhaling the vapors produced. If working is necessary in a confined area it is strongly recommended that sealed respiratory equipment is utilized.

Eye contact

Rinse with copious amounts of clean water and seek medical attention.

Skin contact

Rinse with copious amounts of clean water followed by thorough cleaning with soap and water.

DO NOT USE SOLVENTS

Ingestion

Seek immediate medical attention.

DO NOT INDUCE VOMITING

FLAMMABILITY

FACTOREP Cleaning Fluid is flammable. Do not expose to naked flame or other sources of ignition.

FLASHPOINT

FACTOREP PRIMER EP >150°C



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