

MASTERBOND EP

EPOXY BONDING AGENT FOR CONCRETE

DESCRIPTION

MASTERBOND EP is a two component epoxy resin bonding agent for concrete. It gives strong bonding between old concrete & new concrete.

FEATURES / ADVANTAGES

- It has excellent adhesive strength. The bond strength exceeds the tensile strength of concrete
- Can be applied to dry and damp surfaces
- High mechanical strength.
- Ready to mix and use at site
- Gives sufficient pot life
- Ideal for extension and repair to structural concrete

TYPICAL APPLICATIONS

- Used for bonding cementitious material to existing cementitious surface.
- Used for vertical and horizontal surface where mortar and concrete can be supported by foam-work for jacketing.
- Can be used for critical repairs and extensions of structural concrete in factories, loading bays, bridges, roads, concrete structures etc.

TYPICAL CHARACTERISTICS

Nature	: two components
Mixing ratio, parts by wt.	: part 1(base) : part 2(hardener) 65 : 35
Pot life at 30°C	: 1.5 – 2 hrs
Full hardness time at 30°C	: 48 hrs
Full cure time at 30°C	: 6 days
Overlay time	: 5-6 hrs

ENGINEERING DATA

Compressive strength N/mm ²	: 55
Flexural strength N/mm ²	: 35
Tensile strength N/mm ²	: 25
Shear strength N/mm ²	: 30

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DIRECTION FOR USE

SURFACE PREPARATION

The surface has to be clean from dirt, grease, oil. Use CHOKSEY'S cleaning agents after removing all the dust with water; do not allow water to collect on the surface where MASTERBOND EP has to be applied.

MIXING AND APPLICATION

Mix part 1 and part 2 thoroughly and homogeneously with low speed mechanical stirrer for about 2-3minutes. Mixed material should be brush applied on the prepared surface. It should be coated approximately at the rate of 20-25 sq.ft./kg depending upon the substrate. Concrete has to be placed on MASTERBOND EP within 6-7 hrs.

CLEANING OF TOOLS & EQUIPMENTS

Tools and equipment's can be cleaned with epoxy thinners like Xylene or Acetone etc.

STORAGE AND SHELF LIFE

The shelf life is one year from the date of manufacture when stored in original, unopened containers. Store in a cool and dry place.

PACKING

1kg, 5 kg & 20 kg

PRECAUTIONS

- Mix part 1 and part 2 thoroughly and homogeneously
- Material should be handled with gloves
- When it falls on the skin, use plenty of water & soap to wash the skin
- When it is splashed on to the eyes, wash eyes with plenty of water and take medical advice