

Quickmast EP100

Solvent free general purpose epoxy adhesive



Description

Quickmast EP100 is a multi-purpose, two components, medium viscosity, solvent free epoxy resin adhesive.

Applications

Quickmast EP100 is used for high strength bonding of different material such as:

- ▲ Concrete and metals.
- ▲ Glass.
- ▲ Plastics.
- ▲ Timber joints and ceramics.
- ▲ Fixing laminates/veneers.
- ▲ Rubber.

Advantages

- ▲ High strong adhesive.
- ▲ Bonds most common building materials.
- ▲ Unaffected by immersion.
- ▲ Easy application.

Method of Use

Surface Preparation

- ▲ All Substrate should be sound and dust free.
- ▲ Concrete surfaces should be dry and free of any laitance.
- ▲ Metals, steel, copper, brass etc. surfaces should be degreased abraded.
- ▲ Glass, ceramics and plastics should be degreased and abraded.
- ▲ Rubber surface should be treated for 4 minutes with sulphuric or nitric acid or abraded.
- ▲ Timber should be dry abraded.

Mixing

All content of base and hardener should be mixed thoroughly using spatula or palette knife.

Cleaning

All tools should be cleaned immediately before the adhesive reaches initial setting using Quickmast solvent.

Technical Properties @ 25°C:

Tensile strength: (Aluminum & stainless steel overlap)	shear bond ≥ 14 MPa @ 7 days
Colour:	Clear to whitish
Pot life:	45 - 55 min
Cure time:	≈ 5 hr
Tensile strength: BS 6319, Part 7:1985	≥ 8 MPa
Flexural strength: BS 6319, Part 3:1990	≥ 15 MPa
Compressive strength*: ASTM C579	≥ 55 MPa @ 7 days
Mixed density:	1.15 ± 0.05 g/cm ³
Slant shear strength: AASHTO T-237-73	bond > 30 MPa
VOC: ASTM D2369	< 60 g/ltr (complies with LEED)

* When using 50 mm cube.

Packaging

Quickmast EP100 is available in 0.5 kg packs.

Coverage

0.9 - 1.0 m² per 0.5 kg @ 0.5 mm thick.

Storage

Quickmast EP100 has a shelf life of 12 months from date of manufacture if stored in a dry store in original unopened packaging.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.



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Cautions

Health and Safety

Gloves and a barrier cream should be used when handling these products.

If contact with the skin occurs, it must be removed, before setting, by washing with soap and warm water. Do not use solvent.

The use of goggles is recommended. Should accidental eye contamination occur, wash thoroughly with plenty of water and seek medical treatment immediately.

Ensure good ventilation and do not smoke during use.

For further information refer to the Material Safety Data Sheet.

Fire

Quickmast PE100 is nonflammable.

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A wide range of construction chemical products are manufactured by DCP which include:

- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.



Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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