



ENIPOXY-160

A TWO COMPONENT WATER BASED EPOXY

DESCRIPTION

ENIPOXY-160 is a 100% reactive, 2-component epoxy designed as moisture insensitive and binder for numerous application needs. It provides normal working time when bonding dry or damp concrete at temperature above 4^o C.

ADVANTAGES

- Excellent adhesive for bonding together concrete, steel, ceramic or wood material.
- Bond fresh concrete toppings to hardened concrete slabs.
- Forms a tough wear resistant coating for industrial floor slabs.
- May be extended with sand or aggregate for thick applications and mortar repairs.
- Moisture insensitive for bonding to dry or damp surfaces.

RECOMMENDED USES

- To bond together pre cast concrete sections.
- To repair broken concrete units.
- To bond renders, screeds or fresh concrete to existing concrete surfaces.
- As a primer for other epoxy applications.

COVERAGE

ENIPOXY-160 will give coverage of 8-10 m² / ltr/coat depending upon porosity of the substrate.

TECHNICAL DETAILS

COLOUR	: CLEAR/ WHITE
POTLIFE	: 5 Hrs. at 30 ^o C
CURE RATE	: A tack free film is obtained after 3 hours at 40 ^o c
CONCRETE BOND (dry)	: APPX.5N/mm ²
CONCRETE BOND (damp)	: APPX.4N/mm ²

SURFACE PREPARATION

Old concrete must be clean and well textured. All oil, dirt, debris and unsound concrete must be removed. The final step in cleaning should be the complete removal of all residues with a vacuum cleaner or pressure washer.

METHOD OF APPLICATION

All materials should be in the proper temperature range of 16-32^o C. mix part A and part B (resin a hardner) for 2 minutes using a drill or manual mixer. For ease of mixing add part B to part A. The epoxy must be well mixed to ensure proper reaction. To achieve proper brush ability 15 to 20% water can be added in the mix. For proper coverage area can be pre wetted.

Apply the formulation/ mix by brush, roller or squeegee in a uniform fashion. Do not allow the material to puddle. Extremely porous surfaces may require a 2nd coat for proper ultimate performance. If ENIPOXY-160 is used as a bonding agent for a cementations topping, place the topping on the epoxy while it is still wet. If the epoxy has become tacky to the point where it is no longer a sticky liquid, a fresh coat of ENIPOXY-160 must be applied before topping is placed.

SAFETY

ENIPOXY-160 is safe, non-toxic, and eco-friendly and presents no health hazard. As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles

INHALATION: Inhalation of vapor or mist should be avoided. Symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency

EYE CONTACT: Flush eyes with water for 15 minutes and call for medical help.

INGESTION: causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce.

SKIN CONTACT: Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

STORAGE

Minimum 18 months in unopened container. Store away from sunlight and preferably below 30°C.

PACKING

1 kg packs and 16 kg packs. Special packing available on demand.

Note: -All information is given in good faith on the results gained from experience and tests. However all recommendations of suggestion are made without guarantee since we do not have any control on the site conditions and its uses.

Technical Support:



& Polymertech UK Ltd.
CN-07468396
United Kingdom

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For further assistance kindly mail us : support@starcoating.in

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Star Coatings & Membranes Pvt. Ltd.

New Delhi-110025, visit us at : www.starcoating.in, E-mail: info@starcoating.in



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