



QuakeWrap® CM13.5

Description

QuakeWrap® CM13.5 is composed of randomly distributed chopped E-glass. QuakeWrap® CM13.5 is compatible with epoxy, and phenolic resins.

Uses

- Hand lay-up and continuous laminating processes.
- Saturated with QuakeBond™ saturating resins.
- Creates an impervious resin-rich layer that can be used in repair of pipelines, tanks, cooling towers, etc.
- Construction of jackets for repair of piles and columns.

Advantages

- Fully compatible and excellent adhesion to QuakeBond™ resins.
- Capable of passing through impregnating machines
- Creates an impervious resin-rich laminate.
- Non-corrosive.
- Versatile; can be wrapped around complex shapes.

Coverage

80 ft² per 1-gallon QuakeBond™ 300SR

Packaging

Each QuakeWrap® CM13.5 Chopped Strand Mat is supplied in rolls that are 65 yards (59 m) long. The mat is available in three different widths: 38 in. (965 mm), 50 in. (1270 mm), and 60 in. (1524 mm). Each roll is wound onto a cardboard tube which has an inside diameter of approximately 340 mm. The mat can be easily cut in the field into narrower widths of various lengths.

Surface Preparation

Surface must be clean and sound. It may be dry or damp but free from standing water and frost. Remove dust, laitance, grease, curing compounds, impregnations, waxes, foreign particles, and other bond inhibiting materials from the surface. Existing uneven surfaces must be filled with an appropriate repair mortar. The adhesive strength of concrete must be verified after surface preparation by random pull-off testing (ACI-503R) at the discretion of the engineer. Minimum tensile strength of 200 psi (1.4 MPa) with concrete substrate failure is required. Blast clean, shot-blast, scarify or use other approved mechanical means to clean the substrate surface. Any sharp edges (i.e. fins, form-marks, etc.) must be ground smooth and flush. Sharp edges must be rounded to a minimum radius of 3/4 in. (19 mm).

Application

Saturate QuakeWrap® CM13.5 mat thoroughly with QuakeBond™ saturating resins for under water applications, apply saturated fabric to the substrate surface that has been coated with tack coat. Using gloved hands, carefully remove any entrapped air bubbles under the fabric, a plastic ribbed roller can be used for this purpose. If required, additional layers of saturated mat can be directly applied on top of previous layers. Feather the edges of the fabric with thickened epoxy. Installation of QuakeWrap® mats must be performed only by specially trained and approved contractors. Chopped mat can be cut to appropriate length using a commercial quality heavy duty scissor.

Cleanup

Dispose of waste in accordance with local disposal regulation. Cured materials can only be removed mechanically. See QuakeBond™ resins SDSs for more information on resin cleanup

Shelf Life & Storage

Best used within twelve months after production date. Store in a dry, cool and moisture proof area. Room temperature should always be maintained at 45°-95° F 75°-35° C) with a relative humidity of 35%-65%. Fiberglass products should remain in their original packaging until just prior to use.

Limitations

Design calculations must be made and certified by an independent licensed professional engineer. System is a vapor barrier. Concrete should not be encapsulated

Caution

QuakeWrap® CM13.5 is non-reactive. However, gloves must be worn to protect against skin irritation.

First Aid

Appropriate Personal Protective Equipment (PPE) should be worn at all times when handling product. Consult SDS for more information.

Certificate of Compliance

Certificate of compliance can be supplied upon request.

The Infrastructure Innovators

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QuakeWrap, Inc. warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current technical data sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. QUAKEWRAP, INC. SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES.