

Enermix Dry

Polymer Based Dry Powder Adhesive and Basecoat

Characteristics:

Job Conditions:

Temperature for application of Enermix Dry must be 40 ° F or higher and must remain so for a minimum of 24 hours.

Storage:

Enermix Dry must be stored at 40° F or above in tightly sealed containers out of direct sunlight.

Temporary Protection:

Shall be provided at all times until the base coat, finish, and permanent flashings, sealants, etc. are completed to protect the wall from weather and other damage.

Drying Time:

The drying time of the Enermix Dry is dependent upon the air temperature and relative humidity. Under average drying conditions, (70° F, 55% RH), protect work from rain for at least 24 hours.

energex[®] Enermix Dry Powder Mix is a specially formulated cementitious product enriched with polymers. Upon blending with water, an adhesive/embedding mixture is made which is ready for the energex[®] systems.

Uses:

Enermix Dry is used to adhere insulation board to an approved substrate and to embed reinforcing mesh as part of the base coat of the **energex[®]** System. The mixture can also be used as a skim coat to produce a smooth level surface on masonry or concrete.

Surface Preparation:

Application is to **energex[®]** recommended substrates.

Typically, these include exterior grade gypsum sheathing on either steel or wood studs, clean unpainted concrete, concrete block, brick and stucco. Masonry, concrete and brick substrates must be flat within 1/4" in any four foot radius. For other substrates, please contact the **energex[®]** representative. Surfaces must not be below 40 degree F or painted and must be clean, dry, structurally sound and free of efflorescence, grease, oil, form release agents and curing compounds.

Cautions and Limitations:

Clean potable water must be added to adjust workability. DO NOT OVERWATER!

Important Notice to Purchaser: The following is made in lieu of all warranties, express or implied: **energex[®]**'s (eifs, inc.) only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequently arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith. The foregoing may not be altered except by an agreement signed by officers of seller and manufacturer.

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Drying Time continued:

When used to bound insulation board to an approved substrate, a period of 24 hours

Working Time:

After mixing, the working time of Enermix Dry is approximately one hour depending on ambient conditions.

Bond Strength:

(ASTM D-897)

60 psi (gypsum sheathing)

160 psi (concrete block).

Clean Up:

Clean tools with water while Enermix Dry is still wet.

Coverage:

Approximately 110 square feet of surface area per 50 lb. per bag.

Mixing:

To a 50 lb. bag of Enermix Dry Powder Mix, add 1-1/2 gallons of water. Mix in a 5 gallon can with Jiffy Mixer for about 3 minutes until homogenous. Re-temper by adding a small amount of water to achieve the desired workability.

Adhesive Application:

Using a stainless steel trowel, install a ribbon of Enermix Dry 2" (51mm) wide by 3/8" (10mm) thick around the entire perimeter of the Insulation Board. Place eight dabs of Enermix Dry 3/8" (10mm) thick by 4" (102mm) in diameter approximately 8" (204mm) on center to the interior area.

Alternatively, a notch trowel may be used to install the ENERMIX DRY on the entire back of the Insulation Board. The 2" (51 mm) wide by 3/8" (10mm) thick ribbon must be installed around the entire perimeter of the board. (CAUTION - Do not install Enermix Dry on the substrate using the notch trowel). Immediately place the Insulation Board on the substrate and slide into position. Do not allow the Enermix Dry to form a skin before positioning the Insulation Board on the substrate.

Embedding Application:

Use a stainless steel trowel to apply Enermix Dry to the surface of the Insulation Board to a uniform thickness as recommended for the type of reinforcing mesh being installed. Immediately, place the reinforcing mesh against the wet Enermix Dry. The surface of the Enermix Dry is smoothed with a trowel until the reinforcing mesh is fully embedded. The pattern of the mesh must not be visible.

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