

UNIBASE™

Acrylic Polymer Cement Modifier

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Adhesive/Basecoat Mixture uses a mix ratio of two parts UNIBASE to one part Portland cement by weight. This ratio provides an acrylic-rich adhesive and basecoat that dries to a strong and durable yet flexible coating with excellent adhesive and weather resistant properties.

Recommended Use

UNIBASE Adhesive/Basecoat Mixture is used to adhere expanded polystyrene insulation board (EPS) to approved exterior substrates and to layer EPS to EPS in order to create unique architectural details. COREVNET reinforcing meshes are embedded in the UNIBASE Mixture to create the basecoat lamina for the PRECOR EIFS. UNIBASE Mixture may also be used without EPS to level surfaces of concrete or unit masonry in preparation for application of Corev finish coatings. UNIBASE Mixture should never be applied directly to wood substrates of any kind.

Coverage

Each 5 gallon bucket of UNIBASE Adhesive/Basecoat Mixture covers approximately:

Basecoat Only 190 Ft²
Adhesive Only 160 Ft²
Basecoat/Adhesive 85 Ft²

Properties

Working Time

After mixing with Portland cement, the working time of UNIBASE Adhesive/Basecoat Mixture is approximately 30-60 minutes, depending on ambient temperature and humidity.

Drying Time

For adhesive applications, UNIBASE Adhesive/Basecoat Mixture must dry for a minimum period of 24 hours to form a positive bond before further work over newly installed EPS insulation board or other surfaces. Low temperature and high humidity may extend set time.

For basecoat applications, drying time depends on weather conditions. Protect newly applied basecoat from rain and temperatures less than 40°F (4°C) for a period of 24 hours. In cool temperatures and/or high humidity, longer protection may be required. Average drying time at 70°F and 70% humidity is 12 hours.

Packaging (5 gallon bucket)
64 lbs. per bucket net
66 lbs. per bucket gross

Application

Surface Preparation

For adhesive application of the EPS insulation board: The approved substrate must be sound and free of paint, dirt, grease, oil, efflorescence, form release agents and curing compounds. Substrates must be flat within 1/4" in any 4 feet radius.

For basecoat application: The EPS insulation board must be well adhered to the substrate. All gaps between insulation boards larger than 1/16" must be filled with slivers of EPS or Foam2Foam gap and crack filler by Wind-Lock or approved equal. EPS board must be rasped and flat. Install all aesthetic joints and EPS details before application of basecoat.

Mixing

UNIBASE is mixed at the time of use with Type I or Type I-II Portland cement (ASTM C150) in a ratio of 2 to 1 by weight. The Portland cement must be fresh and free of lumps. For best results, use a heavy duty 1/2" drill with a Goldblatt Jiffler Mixer No. 15311 H7 with 400-500 rpm or similar. Cement types other than those specified should not be used.

Open the bucket of UNIBASE and stir the material until homogeneous. Pour half of its contents into another clean plastic bucket. Add the Portland cement to the UNIBASE while mixing and continue mixing until homogeneous. Let the mixture sit for approximately 5 minutes to achieve an initial set. Then mix again to a creamy consistency. A small amount of water (12 oz. or less per bucket) may be added to adjust workability. Do not exceed the recommended amount of cement, as excessive cement in the mixture will reduce the strength of the material and cause cracking and efflorescence. Do not over mix, as excessive stirring will cause faster setting of the Portland cement and significantly reduce working time. Do not use accelerators, retarders or other admixtures in the UNIBASE Adhesive/Basecoat Mixture.

Application Procedures

For adhesive application of the EPS board: Apply the UNIBASE Mixture directly to one entire side of the EPS board with a "U" notched trowel with notches 3/8" wide, 1/2" deep, and spaced no more than 1-1/2" apart. Full beads of adhesive should be applied to the entire surface on one side of the EPS board. Immediately attach the prepared EPS board to the substrate before the UNIBASE Mixture begins to form a film on its surface. Never trowel UNIBASE Mixture directly onto the substrate. The entire surface of the EPS board must be adhered to the substrate. Make sure that all edges of the EPS board abut tightly with no adhesive between them. Any remaining gaps between the insulation boards larger than 1/16" must be filled with slivers of insulation or Foam2Foam™ gap and crack filler by Wind-lock or approved equal.

CAUTION: Do not use UNIBASE mix to fill gaps between EPS boards. Do not proceed with any work over the newly installed EPS board until appropriate drying time has been allowed.

For basecoat application: Spread the UNIBASE Mixture over the face of the EPS board in a thickness adequate to properly embed the COREVNET reinforcing mesh (approximately 1/8" for COREVNET-ST and 5/32" for COREVNET-HD).

Immediately trowel the reinforcing mesh into the wet UNIBASE mixture and smooth the surface until the Reinforcing Mesh is totally embedded. After the UNIBASE lamina dries, the color of the mesh must not be visible. Slight shrinkage of the UNIBASE lamina may cause the mesh pattern to be visible. Minimum dry thickness is 1/16" with COREVNET-ST.

Clean-Up

Tools should be cleaned with water while the UNIBASE mixture is still wet.

Storage

Store UNIBASE in its original containers at temperatures not less than 40°F (4 ° C) or greater than 110°F (43°C). Store out of direct sunlight. Do not stack buckets more than 3 high.

Shelf Life

Approximately 1 year if properly stored.

Warranty

Corev America's UNIBASE is conditionally warranted as a component of the PRECOR and PRECOR-SB EIFS systems.

FOR COMPLETE INFORMATION, CONSULT THE MANUFACTURER'S LONG FORM SPECIFICATIONS AND PRODUCT WARRANTIES. This warranty does not apply to any party constituting a "consumer" for purposes of the Magnuson-Moss Warranty Act. All other warranties, whether expressed or implied, including without limitation any warranty of merchantability or fitness for purpose, are expressly disclaimed.

Limitations

UNIBASE should not be used as an adhesive over wood or metal surfaces. For painted surfaces, the paint must be removed or metal lath installed prior to adhering the insulation board.

Ambient air and substrate temperatures must be above 40°F (4°C) and must not fall below 40°F (4°C) until the UNIBASE has cured for a minimum of 24 hours.

Information contained in this bulletin conforms to the standard detail recommendations and specifications for the installation of Corev products, is presented in good faith, and is applicable as of the date of this document. Corev assumes no liability, expressed or implied, as to the architecture, engineering, or workmanship of any project.

Safety

ALWAYS WEAR APPROPRIATE EYE AND SKIN PROTECTION WHEN USING THIS PRODUCT. HARMFUL IF SWALLOWED. BEFORE APPLYING THE

PRODUCTS REFER TO THE COMPLETE LONG FORM SPECIFICATIONS OF THE COREV AMERICA PRECOR EIFS SYSTEM.