

Product Information

Decoplast Liquid Base Coat & Adhesive



DESCRIPTION:

Decoplast Liquid Base Coat / Adhesive is a 100% acrylic polymer used as an adhesive and base coat combined 1:1 with Type I or Type II Portland Cement. Liquid Base Coat / Adhesive is used in the Decoplast Continuous Insulation Systems.

FEATURES:

Polymer Modified Technology	Good adhesion, improved durability, and enhanced freeze-thaw resistance.
Smooth Consistency	Trowels on easily for increased production
Vapor Permeable	Vapor permeable materials help control moisture levels within walls.
Environmentally Friendly	Complies with VOC requirements

TECHNICAL DATA:

Report	Test Method	Test Criteria	Test Results
Surface Burning	ASTM E84	< 25 Flame Spread < 450 Smoke Development	Pass
Water Vapor Transmission	ASTM E96	Report Value	Permeable (10.31 perms)
Pull Off Adhesion (psi)	ASTM D7234 / C297	Report Value	Decoplast AWB >160 Gypsum Sheathing >30 Concrete > 255 EPS Board >15
Water Resistance	ASTM E2568	No deleterious effects	Pass
Freeze-Thaw Resistance	ASTM E2568 / E2485	No delamination, cracking, or crazing	Pass
Surface Burning Characteristics	ASTM E84	Report Value	Flame Spread <25 Smoke Developed <450
NFPA 285	NFPA 285	N/A	Passed

ACCEPTABLE SUBSTRATES:

Exterior grade gypsum sheathing meeting ASTM C 1396 (formerly C 79) requirements for water-resistant core or Type X core
Exterior sheathing having a water-resistant core with fiberglass mat facers meeting ASTM C 1177
Exterior fiber reinforced cement or calcium silicate boards
Unglazed brick, cement plaster, concrete or masonry

SURFACE PREPARATION

As an Adhesive over Decoplast Air/Moisture Barrier: ensure the surface is clean, dry and free of surface contamination. Install Decoplast Ci insulation board with adhesive within 30 days of the application of Decoplast Air and Water Barrier or clean the surface and recoat.

Glass Mat Gypsum Sheathing in Compliance with ASTM C 1177: Ensure that the surface is clean, dry, and free of any contamination. The sheathing must be installed and protected according to both the manufacturer's guidelines and building code requirements. Any weather-damaged sheathing should be removed and replaced. Avoid applying over surfaces that are irregular or not in plane. Install Decoplast Ci insulation board with adhesive within 30 days following the installation of the sheathing.

Concrete or Masonry: Surfaces should be clean, dry, and free of frost, damage, and any bond-inhibiting materials such as dirt, efflorescence, laitance, form oil, and other foreign matter. Any loose or damaged material needs to be removed by water blasting, sandblasting, or mechanical wire brushing and repaired. Application over irregular surfaces should be avoided. Resurface, patch, or level surfaces to the required tolerance and smoothness using appropriate Sto leveling materials. For complete details on preparing cementitious substrates for coatings, refer to ASTM D-4258 and ASTM D-4261.

As a Base Coat Decoplast Ci Insulation Board: insulation must be rasped and free of all bond inhibiting materials.

MIXING: Use clean equipment for mixing and preparation. Thoroughly mix the Primus material with Type I or Type II Portland cement at a 1 to 1 ratio by weight. Allow the mixture to set for 5 minutes. Retemper, adding a small amount of water to achieve the desired workability. Only Decoplast approved additives can be added to this product.

APPLICATION: Read the entire label before using this product. Apply only to sound and clean, dry, properly prepared, frost-free surfaces.

As an adhesive: Apply to the back of the insulation board with the appropriate size notched trowel. Form uniform ribbons of adhesive parallel to the short dimensions of the board so the ribbons are oriented vertically in relation to the plane of the wall. Immediately install the board horizontally with staggered joints and apply firm pressure over the entire board surface. Do not delay installation once adhesive is applied. **CAUTION: Do not install adhesive directly on the substrate.**

COVERAGE:

As an adhesive and base coat: 95 - 120 ft² per pail (8.8- 11.1 m²).

As an adhesive over sheathing or smooth concrete/masonry: 200 - 240 ft² (18.6 - 22.3 m²) per pail when using a ½" x ½" (13 mm x 13 mm) U notched trowel having a 2" (51 mm) spacing between notches.

As an adhesive over rough or uneven masonry: 70 - 90 ft² (6.5 - 8.4 m²) per pail, applied with a 5/8" x 5/8" (16 mm x 16 mm) notched trowel having a 2" (51 mm) spacing between notches.

As a base coat: 165 - 205 ft² (15.3 - 19 m²) per pail

As a Double Layer base coat: To embed Standard mesh and Armor 20 High Impact 150 - 190 ft² (14 - 17 m²) per pail.

As a skim coat: 185 - 250 ft² (8.4 - 12.5 m²) per pail depending on thickness desired. Coverages vary depending on application technique and surface conditions.

Application Temperature: 40° - 110° F (5° - 43° C)

Working Time: Pot life is 1 - 2 hours after cement has been added. Open time is affected by temperature and humidity.

Dry Time: Full adhesive bond strength is achieved within 1 - 4 days, depending on temperature and humidity. It typically dries within 24 hours under standard drying conditions [70°F (21°C)]. Cold and/or humid conditions may extend the drying time. Adding Decoplast Quick Cure 1000 can reduce the drying time.

Packaging: 5 gal. (19L) 62.5 lbs. (28.4 kg.) per pail

Color: Off white prior to the addition of Portland Cement

Shelf Life: 12 months if stored properly.

Storage: Protect from extreme heat 90°F (32°C), freezing, and direct sunlight.

As a base coat: Apply with a stainless-steel trowel to an approximate thickness of 1/8" (3 mm). Work horizontally or vertically in strips of 40" (1 m) and immediately embed Decoplast Mesh in the wet base coat by troweling from the center to the edges of the mesh. Avoid wrinkles in the mesh and smooth the base coat to eliminate trowel marks. Minimum recommended thickness of the reinforced base coat is 1/16" (1.6 mm) when dry. Reapply additional base coat if necessary to achieve minimum thickness as soon as the first application is dry. The color of the reinforcing mesh should not be visible at the surface of the base coat material. A slight pattern of the mesh is acceptable, due to shrinkage of the cementitious base coat upon drying. When overlapping reinforcing mesh, special care must be taken to ensure the basecoat & mesh is flat, level and free from bumps. Basecoat should be feathered onto either side of the overlap. The mesh overlaps should be reviewed to ensure they are acceptably flat before proceeding.

As a skim coat or Leveler: Apply mixed Decoplast Liquid Basecoat & Adhesive and trowel to a smooth, uniform surface. Maximum thickness in a single application should be no more than 3/16 in. (6mm).

LIMITATIONS: Use Decoplast Liquid Base Coat Adhesive only when surface and ambient temperatures are above 40°F (4°C) during application and curing time. Provide supplemental heat and protection from precipitation as needed. Decoplast Base Coat Adhesive should not be used on weather exposed horizontal or below grade surfaces or where immersion in water may occur. Decoplast Base Coat Adhesive should not be used as a finish coating. It should not be used over wood surfaces except for wood sheathing surfaces protected by Decoplast Fluid applied air and water barrier. Use only on surfaces that are sound, clean, dry, unpainted (10% or less) and free from any residue which may affect the ability of the Decoplast Base coat & Adhesive to bond to the surface. Application in direct sunlight in hot weather will significantly reduce open time for embedding, reinforcing mesh and smoothing the surface.

CLEAN UP: Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

WARNING: Read complete warning information printed on product container prior to use. For more information on handling this product refer to its Safety Data Sheet (SDS). The most current SDS and Product Data Sheet (PDS) can be found on our website. This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about the guidelines for the proper use and application of the covered product(s) under normal environmental and working conditions. Because each project is different, Greenmaker Industries. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions

LIMITED WARRANTY

This product is subject to a written limited warranty which can be obtained free of charge from Greenmaker Industries. Refer to Decoplast Specifications for more complete information on proper use and handling of this product.

ATTENTION/IMPORTANT

This product is intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. It should be installed in accordance with those specifications and Decoplast instructions. Greenmaker Industries LLC. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, or for other construction activities beyond Greenmaker Industries control. Improper use of this product or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to this product, and to the structure of the building or its components. GREENMAKER INDUSTRIES. DISCLAIMS ALL WARRANTIES EXPRESSED OR IMPLIED EXCEPT FOR EXPLICIT LIMITED WRITTEN WARRANTIES ISSUED TO AND ACCEPTED BY BUILDING OWNERS IN ACCORDANCE WITH DECOPLAST WARRANTY WHICH ARE SUBJECT TO CHANGE FROM TIME TO TIME. For the most current information on proper application, clean-up, mixing, specifications and additional information please refer to the Decoplast website, www.decoplast.com.



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