

Product Information

Decoplast Reinforcing Meshes



DESCRIPTION:

Decoplast reinforcing mesh is specially woven and treated glass fiber reinforcing mesh used to provide reinforcement, impact and crack resistance for Decoplast EIFS/DAFS/DEFS/Stucco wall systems and EPS shapes.

FEATURES:

Alkali resistant, compatible with all Decoplast base coats complying with ASTM E2098 for tensile strength and flexibility for long term durability and protection.

Impact Resistance Classifications: ASTM E2486 establishes four impact-resistance classifications for EIFS: Standard, Medium, High, and Ultra High. These classifications are achieved through the use of different weights of reinforcing mesh and/or multiple layers of reinforcing mesh.

TESTING AND IMPACT CLASSIFICATION:

Impact Resistance of Decoplast Ci with EPS	Test Method	Impact Classification Rating	Test Results
Standard 4	ASTM E2486	Standard 25 – 49 inch-lbs.	Pass
Standard 4+4	ASTM E2486	Medium 50 – 89 inch-lbs.	Pass
High Standard 6	ASTM E2486	Medium 50 – 89 inch-lbs.	Pass
Intermediate 10	ASTM E2486	Medium 50 – 89 inch-lbs.	Pass
High Armor 15	ASTM E2486	High 90 – 150 inch-lbs.	Pass
Ultra-High Armor 20	ASTM E2486	Ultra-High over 150 inch-lbs.	Pass
Dade County	Large Missile Impacts per TAS 201 and ASTM E1886/E1996	Dade County high velocity hurricane zone (HVHZ) protocol	Pass
Alkali Resistance	ASTM E2098	Greater than 120 pli (21 dN/CM) retained tensile strength.	Pass

Design Considerations: For areas where impact is anticipated, such as wall areas within 8 feet of grade and projects in high-wind regions, specifying a high-impact or ultra-high-impact mesh assembly should be considered.

Product	Nominal Weight	Coverage/Roll	Width	Length	Packaging	Color
Standard 4 - 38	4.5 oz.	475 ft ² - (44m ²)	38"	150'	4 rolls/case	Green
Standard 4 - 48	4.5 oz.	600 ft ² - (56 m ²)	48"	150'	4 rolls/case	Green
Short Detail	4.5 oz.	112.5 sf ² - (10.5m ²)	9.5"	150'	16 rolls/case	Green
Short Detail Adhesive	4.5 oz.	112.5 sf ² - (10.5m ²)	9.5"	150'	16 rolls/case	White
High Standard 6	6 oz.	475 ft ² - (44m ²)	38"	150'	2 or 4 rolls/case	White
Intermediate 10	10 oz.	237.5 ft ² - (22m ²)	38"	75'	4 rolls/case	White
High Armor 15	15 oz.	237.5 ft ² - (27.7m ²)	38"	75'	2 or 4 rolls/case	White
Ultra-High Armor 20	20 oz.	244 ft ² - (22.6m ²)	39"	75'	1 rolls/case	Green

SURFACE PREPARATION:

All surfaces must be structurally sound, clean, dry, and free of frost and surface contamination such as dust, dirt, salts, grease, oils, efflorescence, mold, algae, mildew, form release, or any other condition that may affect adhesion. Decoplast EIFS/DAFS Systems: inspect the insulation board or substrate surface for planeness, damage or deterioration due to weather or abuse and repair prior to application of reinforcing mesh. Rasp the entire insulation board surface to produce a smooth, level surface.

APPLICATION:

Prior to base coat/reinforcing fabric application, all insulation board irregularities greater than 1/16 in (1.6 mm) must be sanded flush. Apply the base coat to the entire surface of the insulation board. Fully embed the reinforcing fabric in the wet base coat troweling from the center to the edge of the reinforcing fabric so as to avoid wrinkles.

The reinforcing fabric shall be continuous at all corners and lapped or butted in accordance with Decoplast recommendations.

The overall minimum base coat thickness shall be sufficient to fully embed the mesh. The recommended method is to apply the base coat in two applications. All areas requiring higher impact performance shall be detailed on the plans.

BASIC USES:

When embedded in the Decoplast base coat mixture, the glass fiber reinforcing mesh provides continuity of surface to resist cracking and to increase impact resistance.

The following use guidelines are suggested:

Ultra-High Armor 20: recommended for all EIFS ground floor and high traffic area applications. (Must be installed under Standard Plus or Standard Mesh).

High Armor 15: recommended for all EIFS ground floor and high traffic area applications. (Must be installed under Standard Plus or Standard Mesh).

Intermediate 10: recommended for EIFS second story and above where a medium amount of traffic is anticipated, i.e., walkways, balcony areas, etc.

High Standard 6: Option for EIFS on the second story and above where added protection from such things as window washing equipment, ladders, etc. is desired.

Standard 4: recommended for all EIFS/DEFS applications. For EIFS where no abuse from people, machines, window washing equipment, etc. are anticipated, typically second story areas and above.

Short Detail Mesh: recommended for special shapes and irregular detail work.

Storage: Store in a cool dry area protected from exposure to moisture.

When using High Armor 15 or Ultra High Armor 20 Mesh, apply the Decoplast base coat mixture to the entire surface of the insulation board at a uniform thickness not to exceed 1/8 in (3.2 mm). Immediately embed the Armor Mesh into the wet mixture working from the center to the edges until the mesh is fully covered and not visible. Edges of adjacent Armor Mesh shall be tightly butted but not overlapped. After it cures (minimum 24 hours), examine for projections and correct them as necessary to produce a flat surface. A layer of Standard 4 or Intermediate 6 Mesh shall be installed.

SPECIAL CONDITIONS AND RECOMMENDATIONS:

All areas requiring impact resistance higher than "standard," as defined by ASTM E 2486, shall be as detailed in the drawings and described in the contract documents.

All edges of the insulation board at bottom and top of walls and at all openings must be wrapped with reinforcing mesh.

The reinforcing mesh may be wrapped from the front side onto the studs at an opening or panel edge or the mesh may be attached to the substrate and wrapped onto the face of the insulation board from behind. All insulation board edges must be covered with the Decoplast base coat.

It is recommended that the inside curl of the mesh be applied toward the face of the wall for easier application.

When covering Strong Armor 15 or Ultra High Armor 20 Mesh, the 2 1/2 in (64 mm) lap of Standard or Standard Plus Mesh should not occur over the abutment of the two pieces of Armor Mesh.

INDUSTRY STANDARDS AND ADDITIONAL DESIGN IMPACT CONSIDERATIONS:

The most basic industry and design impact resistance recommendations are that high impact mesh (minimum 15 oz/yd² in combination with standard mesh) should be used for the first 6 feet (1.83 m) above finished grade, where pedestrian traffic and landscaping equipment are common potential sources of impact to the building façade. Elevations higher than 6 feet above grade require only standard mesh except where more stringent code requirements exist (i.e.: wind-borne hurricane debris zones). Areas such as balconies and walls surrounding stairs, landings, and plaza decks should also receive high impact protection (minimum 15 oz/yd² in combination with standard mesh) due to high, frequent occupant exposure. Additional impact resistance is especially important in areas such as entrance ways and columns of porte-cocheres where there is a high frequency of traffic and rolling carts can strike the building. In geographical regions (typically coastal) where high impact resistance is required or mandated by code, EIFS manufacturers have developed and tested systems to meet the specific windborne debris and cyclic wind pressure requirements. The designer simply needs to understand where these systems are required and select from properly tested and approved systems. The specific impact testing requirements meet the Miami-Dade County Notice of Acceptance (NOA). Select a system that is designated as "high velocity hurricane wind zone" (HVHZ). It is important to note that these systems are designed to maintain the integrity of the building envelope within defined limits, when subjected to windborne debris impact. In the Florida HVHZ, large-missile impact resistant systems are required on the lower 30 ft (9.1 m) of the building.

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.

Health Precautions:

Contains fiberglass. As with any chemical construction product, exercise care when handling.

WARNING! Causes eye irritation. Causes skin irritation. Precautionary Statements: Wash hands thoroughly after handling. Wear protective gloves/ protective clothing/eye protection/face protection.

FIRST AID MEASURES Eye Contact: Flush with warm running water for 15 min. Do not rub. If irritation persists, consult a physician. Skin Contact: Wash with mild soap and running water. Use a washcloth to help remove fibers. If irritation persists, consult a physician. Inhalation: Glass fibers may cause mechanical irritation to the mouth, nose and throat. Remove the person to fresh air. Ingestion: Unlikely entry route. If symptoms develop consult a physician. Spills Collect and dispose of in accordance to local, state or federal regulations. Disposal Dispose of in accordance with local, state or federal regulations. Warning KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Safety Data Sheet (SDS) on www.decoplast.com for further health and safety information.

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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