

System Overview

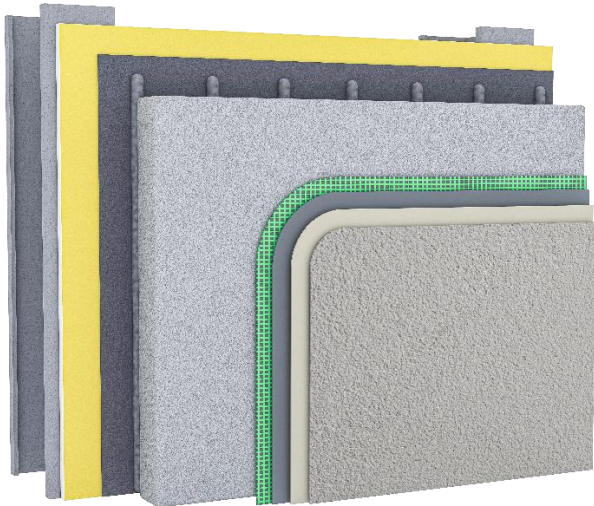
Decoplast DDARS Vertical Adhesive Ci GPS EIFS System

with Integrated Air/Water-Resistive Barrier



Decoplast DDARS Vertical Adhesive Ci EIFS: Smart Design, Reliable Performance, Total Protection

The Decoplast DDARS Vertical Adhesive Ci EIFS Drainage System delivers advanced exterior insulation and finish performance, engineered for exceptional moisture control, drainage and weather resistance. This innovative system incorporates continuous graphite infused expanded polystyrene (GPS) insulation, paired with a durable air and water-resistive barrier for maximum protection. Strategically applied vertical adhesive ribbons create drainage channels behind the insulation board, ensuring efficient moisture management. Designed for versatility, the DDARS system adapts seamlessly to a wide range of substrates and construction types, making installation simple for both residential and commercial projects. Combining high-performance insulation with cutting-edge drainage technology, Decoplast DDARS offers a robust, energy-efficient, and long-lasting solution for exterior walls.



SYSTEM COMPONENTS

1.

Substrate
2.

Fluid Applied Air and Water Barrier
3.

Vertical Adhesive Channels for drainage performance
4.

GPS Graphite Infused Expanded Polystyrene Insulation Board Insulation
5.

Fiberglass reinforced base coat
6.

Primer (recommended)
7.

Finish

CHARACTERISTICS / ADVANTAGES

FEATURES	BENEFITS	PROPERTIES	
ICC-ESR 3428 listed and evaluated for:	Section 07 24 00 Exterior Insulation and Finish System	Insulation Thicknesses	1 to 12 inches (25 – 305 mm)
2023 Florida Building and Residential Code	Section 07 24 19 Water Drainage Exterior Insulation and Finish System	R-value (not including the sheathing or framing))	R5 per inch of thickness
Miami Dade 24-07711.02	Section 07 25 00 Water Resistive Barriers/Weather Barriers	Weight (excluding sheathing and framing)	<2 psf (10 kg/m ²)
	Section 07 27 00 Air Barriers	Compliance	IBC, IRC, IECC 2024, 2021, 2018, 2015, 2012 and 2009
Most Advanced System	HVHZ – High Velocity Hurricane Zone	Maximum design load	Maximum allowable deflection of L/360
Continuous Exterior Insulation	Provides for drainage and drying; complies with codes for proven drainage performance	Fire resistance rated assembly	NFPA 285 NFPA 268 ASTM E-119
	Most energy efficient	WARRANTY	Up to 10-year Limited Warranty depending on System components

Decoplast air and water barrier	Fluid applied Code compliant air and water resistive barrier provides durable, seamless secondary moisture protection.
Wide variety of aesthetics for finish	Choose for Decoplast textured finish, brick, metallic and many others.
Substrate:	Substrate: Glass Mat Gypsum sheathing in compliance with ASTM C 1177, Exterior or Exposure I wood-based sheathing (plywood or OSB), cement board in compliance with ASTM C1325, or code compliant concrete, concrete masonry or Portland cement plaster, existing structurally sound, uncoated brick or other masonry wall construction.

MAINTENANCE

To keep the facade looking its best, regular cleaning is necessary. If cracks or impact damage occur, they should be repaired promptly. Recoating may be required to refresh the appearance of a weathered finish. Additionally, maintaining sealants and other façade components is crucial to prevent water infiltration.

LIMITATIONS

1. Minimum insulation board thickness 1 inch (25 mm). Maximum insulation board thickness 12 inches (305 mm),
2. Fire resistance rated assemblies limited to 4 inches (102 mm) maximum insulation board thickness.
3. Structural back-up wall and substrate must be level to ¼ inch in 10 ft (6mm in 3.0m)
4. Ultimate wind load resistance also depends on sheathing, sheathing attachment, or substrate and stiffness of supporting construction.
5. Design for maximum allowable deflection of L/240.
6. Impact resistance: supplemental reinforcing mesh layers, cement board overlay or other design adjustments may be prudent for areas adjacent to heavy pedestrian traffic or other areas of high impact or abuse.
7. For use on vertical above grade walls only. Do not use below grade or on roofs or roof-like surfaces.
8. Insulation material is flammable. Keep away from flame, ignition sources, high heat, and temperatures in excess of 165°F [74° C]).
9. Dark finish colors with LRV (Light Reflectance Value) < 20 are not recommended.
10. Air Barrier, insulation board, and base coat materials are not intended for prolonged weather exposure. Allow 180 days maximum between application of air and water-resistive barrier and insulation board. Refer to specific component product bulletins and packaging for other limitations that may apply involving use, handling, and storage of materials.
11. Decoplast Air & Water Resistive Barrier Complies with 2024, 2021, 2018, 2015, 2012 and 2009 IBC, IRC and IECC. ASHRAE 90.1-20101 Complies with Section 5, Building Envelope, air barrier requirements ASTM 23572 Air/Moisture barrier meets air leakage resistance criteria of < 0.04 cfm/ft2 at 1.57 psf (0.2 L/s•m2 at 75 Pa).

LEED Credit Eligibility • Energy and Atmosphere • Materials and Resources • Innovation in Design

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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