

System Overview

Decoplast DDARS Vertical Adhesive Ci Mineral Wool (MW) EIFS System with Integrated Air/Water-Resistive Barrier



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

Decoplast DDARS Vertical Adhesive Ci – Mineral Wool System

A high-performance exterior insulation and finish solution built around rigid, **NON COMBUSTABLE MINERAL WOOL** continuous insulation. The DDARS system enhances fire resilience, drying capability, and thermal stability while maintaining the same proven drainage and moisture-management performance.

Insulation board attached with vertical adhesive ribbons and supplemental fasteners form engineered drainage channels behind the mineral wool board, allowing incidental moisture to escape quickly and helping the wall stay dry. Paired with a durable fluid-applied air- and water-resistive barrier, the assembly delivers strong energy-code compliance, reliable weather protection, and long-term envelope durability.

Adaptable to a wide range of substrates and project types, DDARS MW offers a streamlined installation path for both residential and commercial applications. By combining mineral wool's elevated safety and moisture performance with Decoplast's engineered drainage technology, the system provides a robust, energy-efficient, and long-lasting exterior wall solution.



SYSTEM COMPONENTS

1. Substrate
2. Fluid Applied Air and Water Barrier
3. Vertical Adhesive Channels for drainage performance
4. Mineral Wool Insulation Board
5. Supplemental Mechanical Fastener
6. Fiberglass reinforced base coat
7. Primer (recommended)
8. 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 3 inches (25 – 76.2 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)	R4.0 hr.ft ² ° F /Btu (ASTM C518) per inch of insulation thickness.
Miami Dade 24-07711.02	Section 07 25 00 Water Resistive Barriers/Weather Barriers	Weight (excluding sheathing and framing)	<2 – 3 psf (0.907 – 1.36 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
	Provides for drainage and drying; complies with codes for proven drainage performance.	Fire resistance rated assembly	DDARS with mineral wool CI is a fully noncombustible exterior wall assembly meeting IBC §703.5, with all components classified as noncombustible per ASTM E136.
	Noncombustible – melting point >2000° F		
	High vapor permeability promotes drying and reduces trapped moisture.		
Continuous Exterior Insulation	Ci systems are the 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. Insulation board thickness: 1 inch (25 mm) minimum; maximum thickness limited to commercially available mineral wool CI boards (typically up to 3 inches / 76 mm).
2. Acceptable substrates include exterior gypsum sheathing, CMU, concrete, and other noncombustible surfaces. Substrates must be structurally sound and free of contaminants.
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. Dark finish colors with LRV (Light Reflectance Value) < 20 are not recommended.
9. 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.
10. 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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