

DECOPLAST PRODUCT SUBMITTAL

DDARS SPEEDCOAT Ci Exterior Wall Insulation and Finish System is a **Class PB EIFS Drainage System** complying with ASTM E 2568 incorporating drainage performance with a secondary moisture barrier. Moisture drainage is accomplished by grooved channels on the back of the insulation board. The adhered insulation board is applied to **Speedcoat Moisture Barrier and Adhesive** that is a 100% acrylic based, adhesive and water-resistant barrier membrane.

Date:	
Project Name:	
Location:	
Architect:	
General Contractor:	
Applicator:	

STSTEM FEATURES:

- Proven moisture drainage performance.
- Unique dual combination Insulation Adhesive and Water-Resistive Barrier.
- Waterproof Flashing material for rough openings.
- A drainage plane between the WRB created with channels on the back of the insulation board.
- A variety of high-performance Ci exterior insulation which is secured with an adhesive to the substrate.

- A water-resistant base coat that is applied on top of the insulation to serve as an additional weather protection.
- Glass-fiber reinforcing mesh embedded in the base coat.
- A finish coat that typically uses colorfast and crack-resistant acrylic co-polymer technology.
- Drainage Weep Track.
- Warranty.

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DECOPLAST WHO WE ARE!

DECOPLAST OVERVIEW

For more than 40 years and with half a billion plus square feet of installed product globally Decoplast has been offering a wide variety of EIFS, Stucco and Architectural coatings and systems that incorporate secondary weather protection and drainable performance features that allow architects and owners to meet today's energy, air, and water resistive barrier requirements.

The DDARS CHANNELED ADHESIVE Ci designs, our most popular EIFS Exterior Wall Insulation and Finish System with Moisture Drainage incorporates a variety of Continuous Insulation (Ci) backed with a secondary Air/Water Resistive Barriers and DecoShield flashing that is further enhanced with the use of vertically notched adhesives on the back of the insulation to provide positive moisture drainage channels. However, we make a wide variety of decorative and protective architectural coatings and stucco products as well. Insulated, non-insulated systems, air and weather barriers, and the ability for an aesthetic to match wood, granite, brick, metal, and others.

QUALIFICATIONS STATEMENT

Decoplast is pleased to provide the following qualification statement for your review. With industry building science expertise, we offer ICC approved and fully tested to industry standards systems and products, coupled with industry competitive warranty protection, service, support, and design guidance, with a single source for all your EIFS, Stucco, and Coating needs. We offer a full line of professional grade products that meet today's demanding energy, performance, and design requirements. From building envelope design to sustainable maintenance and restoration, Decoplast provides a smarter alternative.

- Over 40 Years manufacturing Architectural coatings and energy efficient wall systems.
- Defective Material and Labor Warranties
- Over half a billion SF of product sold and installed worldwide
- Miami Dade County Code Compliant
- FL Product Approval
- Texas Department of Insurance EC-79
- Fully Code Compliant with ICC ESR- 3428
- NFPA-285 Compliant
- NFPA-268 Compliant
- ASTM-E119 Compliant





MANUFACTURING LOCATIONS

West Hartford, CT – Main Office	Ispica RG, Italy
Mableton, GA	Castelfranco Veneto, Italy

Partial List of Complete Projects and Companies That Have Used Decoplast Wall Systems

HOSPITALITY

- The Wynn Hotel and Casino Las Vegas, NV (completed in 2007 /250,000 SF)
- Excalibur Hotel and Casino Las Vegas, NV (completed in 2006)
- Sonesta Hotels and Condos Sanibel Island, FL
- Hard Rock Hotel and Casino Fort Lauderdale, FL (completed in 2004)
- Approved Supplier for Hilton Hotel Properties
 - Home 2 Suites (Gulfport, MS)
 - Home 2 Suites (Pensacola, FL)
 - Home 2 Suites (Wilkes-Barre, PA)
 - Hampton Inn (Gulf Shores, AL)
 - Hampton Inn (Milwaukie, WI)
 - Hampton Inn (Gulfport, MS)
 - Hampton Inn (Bartonville, PA)
 - Hampton Inn (Panama City, FL)
 - Hampton Inn (Stroudsburg, PA)
 - TRU Hotel (McDonough, GA)
 - TRU Hotel (Albany, NY)
 - Hampton Inn (Richwood, OH)
 - Embassy Suites (Panama City Beach, FL)
- Walt Disney World Orlando, FL (completed in 2001)
- Flamingo Hotel Casino Las Vegas, NV (completed in 2002)
- Holiday Inn Express
- InterContinental Hotels
 - o AVID Hotel (Auburn, AL)
- Hotel RIU Plaza NY, NY
- Choice Hotels Group
- Marriott Hotel Group
 - Fairfield Inn (Plainville, CT)
 - Fairfield Inn (Brooklyn, NY)

- TownPlace Suites (Shalimar, FL)
- o TownPlace Suite (Ft Walton, FL)
- Fairfield Inn (Atmore, AL)
- Fairfield Inn (Saraland, AL)
- Fairfield Inn (Meridian, MS)
- Fairfield Inn (Gulfport, MS)
- Candlewood Suites (Macomb, MI)

COMMERCIAL / RETAIL / MIXED-USE-RESIDENTIAL / RESTAURANT

- Conde Nast Building Times Square, NY, NY (completed in 1997)
- Tiffany Company Store Nationally Specified (85 Locations completed to date)

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- Empire State Building (completed in 1984)
- Arizona Beverage Company Headquarters (completed in 2000)
- CVS Pharmacy Nationally Specified (Over 250 stores completed to date)
- Old Navy
- Wendy's
- Anthropology Stores (Nationally Specified)
- Pottery Barn Stores (Nationally Specified)
- Altar's State Retail Stores (Nationally Specified)
- McDonald's (Over 200 stores completed to date)
- Burger King (Over 125 stores completed to date)
- LA Fitness
- Dunkin Donuts
- Dunkin Donuts Stadium Hartford CT
- Shops @ Corpus Corpus Christie, Texas
- Taco Bell
- Arby's
- O'Reilly Auto Parts
- Advance Auto Parts
- Auto Zone
- TJ Maxx
- Verizon Wireless
- Publix
- Petco
- Village at Yarrow Bay, Washington State (500,000 SF)

GOVERNMENTAL / CIVIC / EDUCATIONAL

- Naval Air Station Patuxent River, MD
- Fort Polk Volar Barracks, LA
- UNLV Library and Dorms Las Vegas, NV (completed in 1998)

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- Yankee Stadium (completed in 2008)
- City Field (completed in 2008)
- CIA Building Langley, VA (completed in 2005)
- American Consulate Rome, Italy (completed 1985
- Yale University New Haven, CT (completed in 1995)
- MOMA Museum of Modern Art (1992 and expansion in 2003)
- Arthur Ash Tennis Stadium Flushing Meadows, NJ

CSI SECTION 07 24 00 – Insulation & Finish System (EIFS) - Class PB 07 25 19- Water-Drainage Exterior Insulation and Finish System

SYSTEM OVERVIEW

The Decoplast DDARS SPEEDCOAT and DDARS XPS SPEEDCOAT Ci systems are a Class PB EIFS distinguished by installation with drainage. Drainage is accomplished by grooved channels on the back of the insulation board. The adhered insulation board is applied to Speedcoat Moisture Barrier and Adhesive (roller or trowel applied).

Decoplast DDARS SPEEDCOAT and DDARS XPS SPEEDCOAT Ci is qualified for use in combustible and noncombustible construction, fire resistant rated walls and residential and non-residential construction.

Sheathing is limited to glass mat gypsum sheathing, cement board, and CDX plywood. Plywood may require 2 coats of Decoplast Speedcoat Moisture Barrier and Adhesive (roller or trowel applied).

The system is qualified for application to certain types of OSB (oriented strand board) sheathing only in areas shown in the Decoplast Acceptable Substrates and Areas of Use Technical Bulletin. OSB may require 2 coats of Speedcoat Moisture Barrier and Adhesive (roller or trowel applied).

For installation on OSB in other regions refer to Decoplast DTS Heritage (Light Commercial/Residential.)

- Some jurisdictions may require special inspections of the Weather Resistive Barrier application.
- The system does not contribute structural strength to the wall. It depends on the substrate wall for support and attachment.
- Substrate construction must resist all design loads. Sheathing attachment to framing must resist design
 negative windloads because it transfers those loads to the framing. Appropriate safety factors must be
 applied.
- All penetrations and non-draining terminations of the system must be made weather-tight, typically by sealants and/or flashings.
- The EPS in EIFS has a maximum service temperature of 165°F (74°C). Dark colors will increase the surface temperature of the EIFS wall.

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Manufacturer's requirements for the proper design, use, and installation of an Exterior Insulation and Finish System.

1.2 RELATED SECTIONS

- A. Section 03 30 00 Cast-in-Place Concrete
- B. Section 04 20 00 Unit Masonry
- C. Section 06 16 00 Sheathing
- D. Section 07 62 00 Sheet Metal Flashing and Trim
- E. Section 07 90 00 Joint Protection
- F. Section 08 50 00 Windows
- G. Section 09 21 16 Gypsum Board Assemblies

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1.3 REFERENCES

- A. ASTM B117 Test Method for Salt Spray (Fog) Testing
- B. ASTM C203 Standard Teat Method for Breaking Load and Flexural Properties of Block-Type Thermal Insulation
- C. ASTM C1135 Test Method for Determining Tensile Adhesion Properties of Structural Sealants
- D. ASTM D968 Standard Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive
- E. ASTM D1037 Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials
- F. ASTM D2247 Practice for Testing Water Resistance of Coatings in 100 Percent Relative Humidity
- G. ASTM D2294 Standard Test Method for Creep Properties of Adhesives in Shear by Tension Loading (Metal-to-Metal).
- H. ASTM D2794 Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)
- I. ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
- J. ASTM E84 Test Method for Surface Burning Characteristics of Building Materials.
- K. ASTM E108 Standard Test Methods for Fire Tests of Roof Coverings
- L. ASTM E119 Standard Test Method for Fire Tests of Building Construction and Materials.
- M. ASTM E283 Standard Test Method for Determining rate of Air Leakage Through Exterior Windows, Curtains Walls, and Doors Under Specified Pressure Difference Across the Specimen
- N. ASTM E330 Test Method for Structural Performance by Uniform Static Air Pressure Difference.
- O. ASTM E331 Test Method for Water Penetration by Uniform Static Air Pressure Difference.
- P. ASTM E695 Method for Measuring Relative Resistance to Impact Loading.
- Q. ASTM E2134 Standard Test Method for Evaluating the Tensile-Adhesion Performance of an Exterior Insulation and Finish System (EIFS)
- R. ASTM E2178 Standard Test Method for Air Permeance of Building Materials
- S. ASTM E2273 Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies
- T. ASTM E2430 Standard Specification For Expanded Polystyrene ("EPS") Thermal Insulation Boards For Use In Exterior Insulation and Finish Systems ("EIFS")
- U. ASTM E2485 Standard Test Method for Freeze/Thaw Resistance of Exterior Insulation and Finish Systems (EIFS) and Water Resistive Barrier Coatings
- V. ASTM E2486 Standard Test Method for Impact Resistance of Class PB and PI Exterior Insulation and Finish Systems (EIFS)
- W. ASTM G155/ Accelerated Weathering for Exposure of Nonmetallic Materials. G153

1.4 ASSEMBLY DESCRIPTION

A. Decoplast DDARS Speedcoat Ci: An Exterior Insulation and Finish System (EIFS) consisting of Speedcoat AWB/Adhesive, Grooved Expanded or Extruded Polystyrene Insulation Board, Base Coat with embedded Reinforcing Fabric Mesh, Primer (Recommended), and Finish Coat. This system is

installed over a water-resistive barrier consisting of Speedcoat Moisture Barrier Adhesive (roller or trowel applied) and Decoplast Flashing Membrane applied over glass mat gypsum sheathing, cement board sheathing, CDX plywood, OSB, concrete or CMU. The system is qualified for application to OSB (oriented strand board) sheathing only in areas shown in the Decoplast Acceptable Substrates and areas of use Technical Bulletin.

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- B. Functional Criteria:
 - 1. General:
 - Insulation Board: At system termination, completely encapsulate insulation board edges by mesh reinforced base coat, substrate or drainage track (limited to terminations at foundation). The use of and maximum thickness of insulation board shall be in accordance with applicable building codes and EIFS manufacturer's requirements.
 - b. Flashing: Flashing shall be continuous and watertight. Flashing shall be designed and installed to prevent water infiltration behind the cladding. Refer to Division 07 Flashing Section for specified flashing materials.
 - c. The configuration of the water resistive barrier, drainage plane and flashing and Decoplast materials, must allow for the egress of incidental moisture.
 - d. See Current ICC Evaluation Report for Design Wind loads.
 - e. Inclined surfaces shall follow the guidelines listed below:
 - (1) Minimum slope: 6 in (152 mm) of vertical rise in 12 in (305 mm) of horizontal run.
 - (2) For sloped surfaces, run of slope shall be a maximum of 12 in (305 mm).
 - (3) Usage not meeting above criteria shall be approved in writing prior to installation.
 - f. The building interior shall be separated from the insulation board by 1/2 in (12.7 mm) of gypsum board or equivalent 15 minute thermal barrier.
 - 2. Performance Requirements
 - a. System to meet the performance and testing requirements of the International Code Council Acceptance Criteria AC 212
 - b. Shall meet the testing requirements of the Product Performance Sheet.
 - 3. Substrate Systems:
 - a. Shall be engineered to withstand applicable design loads including required safety factor.
 - b. Maximum deflection of substrate system under positive or negative design loads shall not exceed L/240 of span.
 - c. Substrate dimensional tolerance: Flat within 1/4 in (6.4 mm) in any 4 ft (122 cm) radius.
 - d. Surface irregularities: Sheathing not over 1/8 in (3 mm); masonry not over 3/16 in (4.8 mm).

EDITOR NOTE: COORDINATE BELOW IMPACT RESISTANCE CLASSIFICATION REQUIREMENTS ACCORDING TO ASTM E2486 - STANDARD TEST METHOD FOR IMPACT RESISTANCE OF CLASS PB EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS)

- 4. Impact Resistance Classification:
 - a. Standard Impact Resistance, 25-49 in-lbs (2.8 5.6 J) Impact Range
 - b. Medium Impact Resistance, 50-89 in-lbs (5.7–10.1 J) Impact Range
 - c. High Impact Resistance, 90-150 in-lbs (10.2–17.0 J) Impact Range
 - d. Ultra-High Impact Resistance, >150 in-lbs (> 17.0 J) Impact Range

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- 5. Expansion Joints: Continuous expansion joints shall be installed at the following locations in accordance with manufacturer's recommendations:
 - a. At building expansion joints.
 - b. At substrate expansion joints.
 - c. At floor lines in wood frame construction.
 - d. Where EIFS panels abut one another.
 - e. Where EIFS abuts other materials.
 - f. Where significant structural movement occurs, such as at
 - (1) Changes in roof line.
 - (2) Changes in building shape and/or structural system.
 - g. Where substrate changes

EDITOR NOTE: INDICATE JOINT WIDTH ON DRAWINGS FOR MOVEMENT AND EXPANSION AND CONTRACTION CONDITIONS. CONSULT WITH SEALANT MANUFACTURER FOR JOINT DESIGN RECOMMENDATIONS AND WITH EIFS MANUFACTURER FOR COORDINATION OF EIFS MATERIALS.

- h. Substrate movement and expansion and contraction of EIFS and adjacent materials shall be taken into account in design of expansion joints, with proper consideration given to sealant properties, installation conditions, temperature range, coefficients of expansion of materials, joint width to depth ratios, and other material factors. Minimum width of expansion joints shall be as follows:
 - (1) 1/2 in (12.7 mm) where EIFS abuts other materials.
 - (2) 3/4 in (19 mm) when EIFS abuts the EIFS.
 - (3) Larger width where indicated on drawings.
- 6. Manufacturer's Detail:
 - a. EIFS latest published information shall be followed for standard detail treatments.
 - b. Non-standard detail treatments shall be as recommended by manufacturer, approved by Project Designer and be part of the Contract Documents.
- 7. Building Code Conformance: EIFS shall be acceptable for use on this project under building code having jurisdiction.

1.5 SUBMITTALS

 General: Submit Samples, Evaluation Reports, warranties and Certificates in accordance with Division 01 General Requirements Submittal Section.

1.6 QUALITY ASSURANCE

- A. Qualifications:
 - 1. All EIFS assembly materials must be manufactured or sold by a single-source manufacturer and must be purchased direct from the manufacturer or its authorized distributor.
 - 2. Applicator:
 - a. Must have attended manufacturer's Educational Seminar.
 - b. Must possess a current manufacturer's certificate of education.
 - c. Must be experienced and competent in installation of plaster-like materials.
- B. Regulatory Requirements:

1. Insulation Board: Shall be produced and labeled under a third party quality program as required by applicable building code.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials in original packaging with manufacturer's identification.
- B. Storage: Store materials in a cool, dry location, out of sunlight, protected from weather and other harmful environment, and at a temperature above 40°F (4°C) and below 110°F (43°C) in accordance with manufacturer's instructions.

1.8 PROJECT / SITE CONDITIONS

- A. Installation Ambient Air Temperature: Minimum of 40°F (4°C) and rising, and remain so for 24 hours thereafter.
- B. Substrate Temperature: Do not apply materials to substrates whose temperature are below 40°F (4°C) or contain frost or ice.
- C. Inclement Weather: Do not apply materials during inclement weather unless appropriate protection is employed.
- D. Sunlight Exposure: Avoid, when possible, installation of the materials in direct sunlight. Application of Acrylic Finishes in direct sunlight in hot weather may adversely affect aesthetics.
- E. Materials shall not be applied if ambient temperature exceeds 120°F (49°C) or falls below 40°F (4°C) within 24 hours of application. Protect materials from uneven and excessive evaporation during hot, dry weather.
- F. Prior to installation, the substrate shall be inspected for surface contamination, or other defects that may adversely affect the performance of the materials and shall be free of residual moisture.

1.9 COORDINATION AND SCHEDULING:

A. Coordination: Coordinate water-resistive membrane & air barrier coating materials installation with other construction operations.

1.10 WARRANTY

A. Warranty: Upon request, at completion of installation, provide manufacturer's Standard Limited Warranty.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturer, Basis of Design: DECOPLAST, 697 Oakwood Ave. West Hartford, CT 06110 Contact: Architectural Sales or Technical Support (860.761.2830).
- B. Components: Obtain components from authorized distributors. No substitutions or additions of other materials are permitted without prior written permission from the EIFS manufacturer for this project.

2.2 MATERIALS

- A. Secondary Water-Resistive Barrier
 - [1. Decoplast Speedcoat Moisture Barrier and Adhesive (trowel applied)
 - [2. Decoplast Sheathing Tape: Non-woven synthetic fiber tape to reinforce Liquid Weather Barrier water-resistive barrier at sheathing board joints, into rough openings and other terminations into dissimilar materials available in 4 in, 6 in and 9 in.
 - [3. Decoplast Flashing Membrane: Self-sealing, Polyester faced, rubberized asphalt membrane, 30 mils (0.76 mm) thick.
- B. Adhesives

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- [1. Decoplast Dry Base Coat & Adhesive: Copolymer based, factory blend of cement and proprietary ingredients; requiring the addition of water only, used as an adhesive to laminate EPS Insulation Board to the Speedcoat Weather Resistive Barrier.
- [2. Decoplast Speedcoat Moisture Barrier and Adhesive: Trowel applied Moisture Barrier and Adhesive trowel applied
- C. Insulation Board: In compliance with manufacturer's requirements for Standard System EIFS.
 - [1. Produced and labeled under a third party quality program as required by applicable building code; and produced by a manufacturer approved by Decoplast.
 - [2. Shall conform to ASTM C578 and ASTM E2430 and the Decoplast specification for Molded Expanded Polystyrene and / or Extruded Polystyrene Insulation board.
 - [3. Maximum size shall be 2 ft x 4 ft (610 mm x 1219 mm).
 - [4. Thickness: ³/₄ in, minimum (19 mm) after rasping.
 - [5. Grooved for drainage performance.
- D. Base Coats:
 - [1. Decoplast Liquid Base Coat: 100% acrylic polymer base, requiring the addition of Portland cement.
 - [2. Decoplast Premium Dry Base Coat: Copolymer based, factory blend of cement and proprietary ingredients requiring addition of water.
 - [3. Decoplast Liquid Hi Build: High Impact basecoat & adhesive. Copolymer based, blend of cement and proprietary ingredients, requires the addition of water and Portland cement.

EDITOR NOTE: RETAIN BELOW STANDARD MESH FOR STANDARD SYSTEM FOR STANDARD IMPACT RESISTANCE CLASSIFICATION.

- E. Reinforcing Mesh:
 - [1. Standard Mesh: Weight 4.5 oz. per sq. yd. (153 g/sq m); coated for protection against alkali. Standard reinforcement of Decoplast EIFS, or for use with High Impact 14 Mesh, or Ultra High Impact 20 Mesh.
 - [2. Short Detail Mesh: Reinforcing mesh used for back wrapping and details.
 - [3. Self-Adhesive Detail Mesh: Reinforcing mesh used for complex details.

EDITOR NOTE: RETAIN BELOW MESH REQUIREMENTS AFTER DETERMINATION OF IMPACT RESISTANCE CLASSIFICATION.

- [4. Intermediate Impact 10 Mesh: Weight 12 oz per sq. yd. (407 g/sq m) Reinforcing mesh used with a Standard System, to achieve ASTM E2486 intermediate impact strength.
- [5. High Impact 14 Mesh: Weight 15 oz. per sq. yd. (509 g/sq m) Reinforcing mesh used with a Standard System; to achieve ASTM E2486 high impact strength.
- [6. Ultra-High Impact 20 Mesh: Weight 20 oz. per sq. yd. (678 g/sq m) Reinforcing mesh used with a Standard System; to achieve ultra-high impact strength.
- [7. Corner Mesh: Reinforcing mesh used as corner reinforcement; required when using Ultra-High Impact 20 Mesh.

EDITOR NOTE: RETAIN BELOW AND SPECIFY LOCATIONS TO RECEIVE EIFS WITH HIGHER THAN STANDARD IMPACT RESISTANCE CLASSIFICATION.

Locations: _____; ASTM E2486 Impact Classification: _____

- F. Primer:
 - [1. Decoplast Primer: 100% acrylic based coating to prepare surfaces for acrylic or elastomeric finishes.

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EDITOR NOTE: MODIFY BELOW TO SUIT REQUIREMENTS. CHOOSE ONE FINISH TYPE, TEXTURE, & COLOR

- G. Finish:
 - [1. Decoplast DPR Standard Finish: Factory blended, 100% acrylic polymer based finish, integrally colored. Finish type, texture and color as selected by Project Designer
 - [2. Decoplast Deco-Sil: 100% acrylic polymer based finish, enhanced DPR acrylic finish with hydrophobic and photocatalytic properties, repels water, reflects UV rays, and reduces smog particles near the finish surface. Finish type, texture and color as selected by Project Designer
 - [3. Decoplast Decolastic Finish: Factory blended, 100% acrylic polymer based elastomeric textured finish, integrally colored. Finish type, texture and color as selected by Project Designer
- H. Decoplast Drain strip: Pre-punched strip of non-woven fabric to allow for drainage at the head of system penetrations.
- I. Water: Clean, cool, potable water
- J. Portland Cement: ASTM C150, Type I or Type I-II.

2.3 RELATED MATERIALS AND ACCESSORIES

- A. Substrate Materials:
 - [1. Glass mat gypsum sheathing conforming to ASTM C1177.
 - [2. Cement Fiber Sheathing conforming to ASTM C1186
 - [3. Gypsum Sheathing: Minimum 1/2 in (13 mm) thick, core-treated, weather-resistant, exterior gypsum sheathing complying with ASTM C79.
 - [4. Plywood: Minimum 7/16 in (8 mm) thick exterior grade or PS 1, Exposure 1, minimum 7/16 in thick, C veneer facing out, panels gapped 1/8 in at all edges.
 - [5. Oriented Strand Board (OSB): 7/16 in 1/2 in Wall-16 or Wall-24, approved by the APA, TECO, or PSI/PTL. Stamped as Exposure 1 or Exterior Sheathing with a PS2 or PRP-108 rating.
 - [6. Concrete Masonry Units (CMU): Non-painted (uncoated).
 - [7. Concrete (poured or pre-cast).
 - [8. Other approved by manufacturer writing prior to the project.
- B. Flashing: Refer to Division 07 Flashing Section for flashing materials.
- C. Sealant System:
 - Sealant for expansion joints between panelized EIFS sections shall be ultra-low modulus designed for minimum 100% elongation and minimum 50% compression and as selected by Project Designer.
 - [2. Sealant for perimeter seals around window and door frames and other wall penetrations shall be low modulus, designed for minimum 50% elongation and minimum 25% compression, and as selected by Project Designer.
 - [3. Sealants shall conform to ASTM C 920, Grade NS.
 - [4. Expansion joints between sections of EIFS shall have a minimum width of 3/4 in (19 mm).



- [5. Perimeter seal joints shall be a minimum width of 1/2 in (12.7 mm).
- [6. Sealant backer rod shall be closed-cell polyethylene foam.
- [7. Apply sealant to tracks or base coat of EIFS.
- [8. Refer to EIFS manufacturer's current bulletin for listing of sealants which have been tested and have been found to be compatible with EIFS materials.
- [9. Color shall be as selected by Project Designer.
- [10. Joint design, surface preparation, and sealant primer shall be based on sealant manufacturer's recommendations and project conditions.

EDITOR NOTE: PART 3 EXECUTION BELOW INVOLVES ONSITE WORK AND SHOULD INCLUDE PROVISIONS FOR INCORPORATING MATERIALS AND PRODUCTS INTO PROJECT. TYPICALLY, "CONDITIONS OF THE CONTRACT" ESTABLISH RESPONSIBILITY FOR "MEANS, METHODS, TECHNIQUES, AND SAFETY" REQUIREMENTS OF CONSTRUCTION WITH CONTRACTOR. SPECIFICATIONS SHOULD AVOID CONFLICTS WITH THIS CONTRACTUAL PRINCIPLE.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify project site conditions under provisions of Section 01 00 00.
- B. Compliance: Comply with manufacturer's instructions for installation.
- C. Substrate Examination: Examine prior to installation of EIFS assembly materials as follows:
 - 1. Substrate shall be of a type approved by manufacturer. Plywood and OSB substrates shall be gapped 1/8 in (3.2 mm) at all edges.
 - 2. Substrate shall be examined for soundness, and other harmful conditions.
 - 3. Substrate shall be free of dust, dirt, laitance, efflorescence, and other harmful contaminants.
 - 4. Substrate construction in accordance with substrate material manufacturer's specifications and applicable building codes.
 - 5. Maximum deflection of the substrate shall be limited to L/240.
- D. Sealants and Backer Rod: To be installed, where required, in accordance with the sealant manufacturer's specifications and published literature, and using the sealant manufacturer's recommended primers.
- E. Advise Contractor of discrepancies preventing proper installation of the EIFS materials. Do not proceed with the work until unsatisfactory conditions are corrected.

3.2 PREPARATION

- A. Protection: Protect surrounding material surfaces and areas during installation of system.
- B. Clean surfaces thoroughly prior to installation.
- C. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 MIXING

A. Mix materials in accordance with manufacturer's instructions.

3.4 APPLICATION

- A. General: Installation shall conform to this specification and manufacturer's written instructions.
- B. Drainage Accessories and Water Resistive Barrier
 - 1. Plywood and OSB substrates cut edges (non-factory edges) must be sealed with a waterresistive coating.
 - 2. Install drainage tracks (limited to terminations at foundations), back-wrap mesh, or edge-wrap mesh at system terminations. Treat all glass mat gypsum sheathing, cement board sheathing, OSB and plywood joints with Decoplast Liquid Weather Resistive Barrier water-resistive barrier or Decoplast Speedcoat Moisture Barrier and Adhesive (trowel applied) and embed Decoplast Sheathing Tape.
 - 3. Flash all rough openings with Liquid Weather Resistive barrier or Speedcoat and embedded Decoplast Sheathing Tape or Decoplast Flashing Membrane.
 - 4. Apply Liquid Weather Resistive barrier to the surface of the appropriate substrate (in accordance with product data sheet).
 - 5. Treat the heads of all window, door and similar openings with Decoplast Drain and back-wrap mesh to allow for drainage at these locations.
- C. Insulation Board
 - 1. Apply Decoplast adhesive to backs of insulation boards with a Decoplast drainage notched trowel, with ribbons of adhesive oriented in a vertical direction (parallel to the 2 ft (61 mm)) dimension of the EPS board). Apply a 1 in (25.4 mm) wide horizontal ribbon of adhesive on the back at the lower edge of insulation boards installed over Decoplast Drain.
 - 2. Install insulation board without gaps in a running bond pattern and interlocked at corners.
 - 3. Rasp irregularities off insulation board.
- D. Apply base coat and fully embed mesh in base coat; include diagonal mesh patches at corners of openings and reinforcing mesh patches at joints of track sections. Apply multiple layers of base coat and mesh where required for specified impact resistance classification.
- E. Apply primer to base coat after drying. Primer maybe omitted if it is not required by the manufacturer's product data sheets for the specified finish coat or otherwise specified for the project.
- F. Finish Coat: Apply finish coat to match specified finish type, texture, and color. Do not apply finish coat to surfaces to receive sealant. Keep finish out of sealant joint gaps.

3.5 CLEAN-UP

- A. Removal: Remove and legally dispose of EIFS materials from job site.
- B. Clean surfaces and work area of foreign materials resulting from material installation.

3.6 PROTECTION

- A. Provide protection of installed materials from water infiltration into or behind them.
- B. Provide protection of installed materials from dust, dirt, precipitation, and freezing during installation, and continuous high humidity until fully cured and dry.
- C. Clean exposed surfaces using materials and methods recommended by the manufacturer of the material or product being cleaned. Remove and replace work that cannot be cleaned to the satisfaction of the Project Designer/Owner.

END OF SECTION

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Disclaimer: This guide specification is intended for use by a qualified designer. The guide specification is not intended to be used verbatim as an actual specification without appropriate modifications for the specific use intended. The guide specification must be integrated into and coordinated with the procedures of each design firm, and the requirements of a specific project. For additional assistance, contact Decoplast Architectural Sales or Technical Support (860.761.2830).



Product Performance Sheet | Page 1

DDARS NOTCHED EIFS Assembly – Class PB

EIFS Fire Performance	Method	ICC or ASTM Criteria	Results
Surface Burning Characteristics	ASTM E84	Individual components shall each have a flame spread <25, and smoke developed < 450	Flame Spread: 0 to 15 Smoke Developed: 0 to 15
Flame Propagation	NFPA-285	No flame spread on exterior	PASS (UL File #R38721)
Ignitibility	NFPA-268	Determining ignitibility of exterior wall assemblies using a radiant heat source	SWRI Project # 01.21604.01.209
Fire Resistance	ASTME-119		PASS (UL File # R38721)

EIFS Strength	Method	ICC or ASTM Criteria	Results
Flexural Strength	ASTM C203	No Requirement	60.6 psi (418 kPa)
Falling Ball Impact	ASTM D1037	No Requirement	92 to over 600 in-lbs
Creep Resistance of Adhesive	ASTM D2294	No Requirement	28 days 208 psf shear stress; no creep
Gardner Impact Test	ASTM D2794	No Requirement	25 to 200 in-lbs (mesh weight)
Transverse Wind Load	ASTM E330	Withstand positive and negative wind loads as specified	See Current ICC Report
Impact Load	ASTM E695	No Current Requirement	30 lb. Impact mass; no cracking
Tensile Bond Strength	ASTM E2134	Minimum 15 psi (103kPa)	Pass

EIFS Environmental Durability	Method	ICC or ASTM Criteria	Results
Abrasion Resistance	ASTM D 968	No cracking or loss of film at 528 quarts (500 L) of sand	Pass @ 500 Liters
Accelerated Weathering	ASTM G153 (ASTM G 23) ASTM G154	No deleterious effects* at 2000 hours when viewed under 5x magnification	2000 Hours: no deleterious effect 2000 Hours: no deleterious effect
Drainage Efficiency	ASTM E2273		Pass

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Fungus Resistance	MIL STD 810B		28 days: no growth
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EIFS Environmental Durability	Method	ICC or ASTM Criteria	Results
Freeze/Thaw Resistance	ASTM E 2485	No deleterious effects* at 10 cycles when viewed under 5x magnification	60 cycles: no deleterious effect
Mildew Resistance	ASTM D 3273	No growth supported during 28 day exposure period	Pass
Water Penetration	ASTM E 331	No water penetration beyond the plane of the base coat/EPS board interface after 15 minutes at 6.24 psf (299 Pa)	Pass
Moisture Resistance	ASTM D2247	No deleterious effects at 14 day exposure	Pass
Salt Fog Resistance	ASTM B117	No deleterious effects* at 300 hours	500 hours: no deterioration
Wind-Driven Rain	F.S. TT-C-555B		24 hours: no penetration of water

*No deleterious effects: no cracking, checking, crazing, erosion, rusting, blistering.

DECOPLAST Liquid Weather Resistive Barrier/ Speedcoat	Method	ICC and ASTM E2570 Criteria	Results
Accelerated Weathering	AC 212	25 Cycles followed by Hydrostatic Pressure Test: No water penetration on the plane of the exterior facing side of the substrate.	Pass: no water penetration
Air Infiltration	ASTM E2178	Calculated flow Rate at 75 Pa (1.57 lb/ft², 0.3 in H₂O) = < 0.02 L/m²*s (< 0.004 cfm/ft²)	< .00001 L/m²*s (0.00001 cfm/ft²) at 75 Pa (1.57 lb/ft², 0.3 in H₂O)
Air Leakage of Air Barrier Assemblies	ASTM E2357	Pass < 0.2 L / s⋅m2 at 75 Pa) (< 0.04 cfm / ft2 at 1.57 psf)	Pass
Air Leakage	ASTM E283	No Criteria	< 0.004 cfm/ft ²
Elongation	ASTM D412	No Criteria	360%
Flexibility	ASTM D522	No Criteria	No Cracking at 1/8" (3 mm)
Freeze-Thaw Resistance	ASTM E 2485	10 Cycles	Pass – No Deleterious Effects
Hydrostatic Pressure Test	AATCC 127 (Water Column)	Resist 21.6 in (55 cm) water for 5 hours before and after aging	Pass: no water penetration
Nail Seal ability, Head of Water	ASTM D1970	No Criteria	Pass 5 inches of water

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Pull off Strength	ASTM D 4541	No Water Penetration	Pass - no water penetration

Decoplast Liquid Weather Resistive Barrier	Method	ICC and ASTM E2570 Criteria	Results
Racking	ASTM E72	Deflection at 1/8 in (3.2 mm)	Pass -No cracking at field, joints or flashing connection
Structural Loading	ASTM E1233 Procedure A	10 Cycles @ 80% design load	Pass -No cracking at field, joints or flashing connection
Restrained Environmental	ICC ES AC 212 / ASTM E2570	5 Cycles of wetting and drying	Pass -No cracking at field, joints or flashing connection
Surface Burning Characteristics	ASTM E84	ICC and ASTM E2568 Flame Spread <25 Smoke Developed <450	Flame Spread =0 Smoke Developed =0
Tensile Bond Strength	ASTM E 2134/ ASTM C 297	Minimum 15 psi (104 kPa)	Pass all listed substrates and flashing materials
Water Resistance	ASTM D 2247	14 Days	Pass – No Deleterious Effects.
Water Penetration	ASTM E331	2.86 psf (137 Pa) for 15 minutes	Pass 25.4 psf (1216 Pa) for 165 minutes
Water Penetration	ASTM E331	Tested after Structural Loading, Racking and Restrained Environmental Cycling at 2.86 psf (137 Pa) for 15 minutes	No Water Penetration
Water vapor transmission	ASTM E96 Procedure B	Vapor Permeable	12.0 perms
Weathering	ICC ES AC 212 / ASTM E2570	210 hours of UV Exposure, 25 cycles of accelerated weathering, 21.6 in (549 mm) water column for 5 hours	Pass
Wind Driven Rain	F.S. TT-C-555B	No Criteria	Pass
VOC	EPA Reference Test Method 24	US EPA, South Coast AQMD and Green seal Standard	10 g/L
Regional Harvest		LEED MRc 5.1	100% at all facilities

REINFORCING MESH IMPACT RESISTANCE	Classification	Impact Range (in-Ibs)
Standard Mesh	Standard	25-49
Intermediate Impact 10 Mesh	Intermediate	50-89
High Impact 15 Mesh (Plus Standard Mesh)	High	90-150

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Ultra-High Impact 20 Mesh /Standard Mesh	Ultra-High	>150

* Where several tests on different materials are summarized, a range of values is shown. This summary has been prepared to provide quick but partial information on how certain combinations of Decoplast products perform during certain tests. It is not a complete description of the test procedures or of the results thereof. Copies of original test reports are available at no charge upon request. Please contact Decoplast Architectural Sales or Technical Support Department (860.761.2830) if further information is required.



DSWM G1.01 DDARS SPEEDCOAT SYSTEM COMPONENTS

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTE: 1. Applicable for wood framing, masonry and conrete. 2. See WRB details for further information.



DSWM A1.01 DDARS SPEEDCOAT AESTHETIC BAND AND REVEAL

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTE: To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.



DSWM E1.01 DDARS SPEEDCOAT INSIDE CORNER TERMINATION

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTE: To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. There must be a consideration of the designer in the overall wall assembly design.



DSWM E1.02 DDARS SPEEDCOAT THRU-SYSTEM FLASHING W/ WEEPS

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTE: To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.



DSWM E1.05A DDARS SPEEDCOAT EXPANSION JOINT WITH FLASHING AT FLOOR

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

- NOTE: 1. To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.
 - 2. Framing shown in this drawing is only conceptual and is not for construction. Follow framing designer's requirements.



DSWM E1.05B DDARS SPEEDCOAT EXPANSION JOINT WITH FLASHING AT FLOOR

DECOPLAST DDARS SPEEDCOAT- 6/1/2016

NOTE: To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.



DSWM E1.07 DDARS SPEEDCOAT HORIZONTAL EXPANSION JOINT

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTE: To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.



DSWM G1.03A DDARS SPEEDCOAT ROUGH OPENING FLASHING (SEE NOTES)

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTE:

1. Head flashing procedure similar.

2. To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.



DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTE: 1. To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.

- 2. Finned window frames are installed before head flashing.
- 3. Do not use plastic track at window heads.





DSWM P1.01 DDARS SPEEDCOAT FIXTURE ATTACHMENT (BY OTHERS)

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTE: 1. To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.

2. Fixture attachment shall be designed and installed to support all fixture loads and to prevent transfer of fixture loads to the EIFS.



DSWM P1.02 DDARS SPEEDCOAT TERMINATION AT HOSE BIB (BY OTHERS)

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTE: To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.



DSWM P1.03 DDARS SPEEDCOAT DOWNSPOUT ATTACHMENT (BY OTHERS)

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTE: To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.



OTHERS)

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTE: To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.



DSWM R1.04 DDARS SPEEDCOAT TERMINATION AT GRAVEL STOP

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTE: To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.



DSWM T1.02 DDARS SPEEDCOAT TERMINATION AT GRADE

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

- NOTES: 1. To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.
 - 2. Sawn dimension lumber floor joists may require an expansion joint at the dissimilar substrate transition.



DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTE: To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.



DSWM W1.01 DDARS SPEEDCOAT HEAD ASSEMBLY (WINDOW, DOOR, LOUVER VENTS, ETC.)

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTES: 1. To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.

2. Do not use plastic window head flashing.



DSWM W1.02 DDARS SPEEDCOAT TERMINATION AT WINDOW HEAD

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTES: 1. To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.

2. Do not use plastic track at head terminations.



DSWM W1.04 DDARS SPEEDCOAT TERMINATION AT WINDOW JAMB

DECOPLAST DDARS SPEEDCOAT - 6/1/2016

NOTE: To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall wall assembly design.

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SPEEDCOAT MOISTURE BARRIER AND ADHESIVE

Trowel Applied Waterproof Membrane & Air Barrier Adhesive

Speedcoat has been designed as a weather resistive barrier as well as a high-performance adhesive all in one. Decoplast Speedcoat Moisture Barrier and Adhesive is a ready-mixed flexible waterproof air barrier membrane / adhesive. It is applied directly to vertical above grade wall sheathing and concrete masonry, functioning as a waterproof air barrier when combined with Decoplast joint and rough opening treatment as well as an adhesive all-in-one.

PRODUCT HIGHLIGHTS

- Designed for use as a water resistive barrier and an adhesive for Decoplast EIFS Systems.
- Apply as a water resistive barrier and an adhesive in the same application.
- 100% acrylic based, trowelable water resistive barrier and an adhesive for Decoplast EIFS Systems.
- Excellent adhesion, water vapor transmission resistance, and can bridge hairline cracks due to its flexibility.

USES

- Weather resistive barrier for Decoplast EIFS systems.
- EPS adhesive for exterior grade gypsum sheathing, glass mat gypsum sheathings conforming to ASTM C1177, and cement board sheathing.

PROPERTIES

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Tensile Bond	ASTM E2568-09e1	Min. 15 psi {103kPa)	Substrate Minimum ASTM C297/297M-04 20psi {139 kPa) Liquid Weather Barrier Flashing Minimum 70psi {485 kPa)
Water Resistance Water Vapor Transmission	ASTM E2568-09e1 ASTM E2570 ASTM D2247-11	14 Day exposure Vapor Permeable	Pass ASTM D2247-11 Pass
Water Penetration	ASTM E283	No water penetration	Pass beyond the inner most plane of the wall after 15 min @ 2.86psf
Air Permeance Puncture Resistance Racking	ASTM E2178-11 Lab Test ASTM E72	N/A No cracking; net deflection 1/8"	<0.02 L/s/m2 @ 75Pa 31.5 lbs. Pass
Transverse Load	ASTM E1233 AC-212	10 cycles	Pass
Tensile Bond	ASTM C297		Pass
	ASTM E2134		
Structural Performance	ASTM E1233 Proc A	10 cycles	Pass
Flame Propagation	NFPA-285		Pass; UL Certified
Radiant Heat Ignition	NFPA-268	No Flame Spread / Ignition	Pass

SURFACE PREPARATION:

Surfaces must be clean, dry, and free of frost, damage and all bond-inhibiting materials, including dirt, efflorescence, form oil and other foreign matter. Damaged sheathing must be removed and replaced. Avoid application over irregular surfaces. Substrate to be coated must be continuous without joints, holes, etc. exceeding 1/16" {0.8 mm} in size. Sheathing must be properly installed as required by applicable building codes or sheathing manufacturer.



MIXING:

Use clean equipment for mixing and preparation. Do not add water. Mix with a clean, rust-free electric drill and paddle to a uniform consistency. **PRODUCT MUST NOT BE THINNED OR DILUTED.** Avoid creating air bubbles. No additives of any kind, such as rapid binders, anti-freeze, accelerators, fillers, pigments, etc. should be added under any circumstances.

APPLICATION:

SPEEDCOAT Liquid Membrane Adhesive is self-gaging. It should be applied to the thickness of the aggregate. SPEEDCOAT exhibits good surface coverage in a single application. Apply only to sound and clean, dry, properly prepared, frost-free surfaces. Sheathing joints, inside and outside corners and rough openings must be treated with Decoplast joint and rough opening treatment. Spot fasteners, knots or other voids in sheathing surface. If using Decoplast Sheathing Fabric, pre-spot all fasteners with Decoplast Speedcoat Moisture Barrier/Adhesive. Spot surface defects such as overdriven fasteners, knots or other voids in sheathing surface.

Over Exterior Gypsum Sheathing, Glass-Mat Gypsum Sheathing, Exterior Plywood: Apply Decoplast Speedcoat Moisture Barrier/Adhesive to the prepared substrate using a trowel, brush or appropriate size nap roller in a single, uniform coating at a wet thickness of 10 mils.

Over Concrete Masonry Wall Construction: Concrete masonry wall construction must be structurally sound, clean, dry, and free from damage, frost, and all bondinhibiting material, including dust, dirt, mold, algae, and efflorescence. Repair cracks up to 1/8 inch {3 mm} wide by filling. Rake the crack with a sharp tool to remove loose or friable material and blow clean with oil-free compressed air. For cracks wider than 1/8" {3 mm} and up to 1/4" {6 mm} wide, use a paintable acrylic latex caulk to fill the crack, tool flush with the surface, and allow drying completely. For moving cracks consult a structural engineer. Protect crack repair materials from rain and freezing until dry.

For Air and Moisture Barrier:

Over CMU: Apply Decoplast Speedcoat Moisture Barrier/Adhesive uniformly with trowel, trowel to fill the surface and allow drying. Apply a second uniform coat of Decoplast Speedcoat Moisture Barrier/Adhesive to achieve a void and pinhole free surface. Depending on the condition of the surface a minimum of 10 wet mils up to a maximum of 30 wet mils per coat is required. Apply additional coats if needed to achieve a VoID AND PINHOLE FREE surface.

IMPORTANT NOTE: Decoplast Speedcoat Moisture Barrier/Adhesive functions as a waterproof air barrier on normal weight concrete masonry unit wall construction with flush {struck flush with the surface of the CMU) or concave joints when a minimum of two liberal coats are applied. Additional coats may be necessary depending on the condition of the CMU wall surface, CMU porosity, joint profile, and other variables that may exist. For "rough" CMU wall surfaces, skim coat the entire surface with Decoplast cementitious leveler before application of Speedcoat Moisture Barrier/Adhesive. A VOID AND PINHOLE FREE SURFACE must be achieved for Decoplast Speedcoat Moisture Barrier/Adhesive to properly function as a waterproof air barrier on CMU wall surfaces.

Curing/Drying

Decoplast Speedcoat Moisture Barrier/Adhesive is dry to touch and can be over coated within 2-4 hours under normal conditions [70QF {21QC}, 50% RH]. Adhesive attachment of Decoplast Insulation Board can be installed immediately after Decoplast Speedcoat Moisture Barrier/Adhesive is applied to specifications. Final drying varies depending on temperature / humidity and surface conditions.Protect from rain and freezing until completely dry.

Material Storage

Keep containers covered to protect from skinning. If skin forms, remove the skinned material from container; remaining material is unaffected by skinned material.

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

Limitations: ONLY glass mat gypsum sheathing or exterior cement board can be used as a sheathing substrate. Avoid getting to far ahead of the EPS application adhesive. Sun, wind, temperatue and humidity will affect the open time of the product. Make sure the surface of the SPEEDCOAT adhesive is still wet when applying the EPS. If the surface has skinned over or is dry to the touch the the EPS will not adhere to the SPEEDCOAT and form a proper bond. If SPEEDCOAT dries before the EPS can be adhered, apply additional product to the substrate. Alternatively, additional SPEEDCOAT Adhesive may be applied to the back of the EPS with a 5/16 in (8 mm) notched trowel. Ambient and surface twemperature must be 40 F (4C) or higher during the application and drying time. Provide supplemental heat and protection as required. Avoid application in direct sunlight in hot weather.

Coverage: Depending on the condition of the substrate and mothod of application, approximate coverage rates are : As a water resistive barrier: One coat: (35 mils dry) (.9 mm): 150 – 190 sq.ft. (14-17.6 sq. m.) per pails. To tape joint: 280 – 350 linear ft. (85-107m) per pail.

Open Time: Between 1 and 30 minutes depending on the substrate, temperature, wind, and sun exposure.

Set Time / Drying Time: Set time four (4) hours under optimal conditions. Extended under cooler humid conditions. Full adhesive bond strength is reached after 1-4 days, depending on temperature and humidity. NOTE BE CAREFUL NOT TO RASP THE INSULATION BOARD UNTIL THE ADHESIVE HAS FULLY CURED. FAILURE TO DO SO COULD BREAK THE ADHESIVE TO EPS BOND.

Packaging: 60lbs (27.21 kg) net weight in plastic pails

LIMITED WARRANTY

This product is subject to a written limited warranty. Refer to Decoplast Specifications for more complete information on proper use and handling of this product.



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Decoplast Sheathing Fabric

TECHNICAL CHARACTERISTICS

MD Yarn	500 Denier H.T. Polyester
CD Yarn	500 Denier H.T. Polyester
Pattern	5 x 5 yarns/inch
Tensile	50 x 45 yarns/inch
Weight	2.13 oz/yd ²
Coating	F.R. PVC
Substrate	1 layer of 0.5 oz/yd ² Spunbond Polyester

PROPERTIES

Excellent Dimensional Stability

Tensile Strength

Increased Tear Resistance

HEALTH AND SAFETY

Health Precaution

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

Safety Precaution

Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

First Aid:

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Contact a physician.

SKIN CONTACT: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Inhalation: Move to fresh air. If symptoms persist, call a physician.

INGESTION: Accidental ingestion of this material is unlikely. If this does occur, watch person for several days to make sure intestinal blockage does not occur. Rinse mouth with water and drink water to remove fibers from the throat. If symptoms persist, call a physician.

Disposal

Dispose of in accordance with local, state or federal regulations.

Warning

KEEP CONTAINER 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) for further health and safety information.

LIMITED WARRANTY

This product is subject to a written limited warranty. Refer to Decoplast Specifications for more complete information on proper use and handling of this product.



697 Oakwood Avenue, West Hartford, CT 061 voice: 860.761.2830 fax: 860.761.2831 www.decoplast.com This product is intended for use by qualified professional contractors. All information conforms to the standard detail recommendations and specifications for the installation of Decoplast systems and is presented in good faith as of the date of publication of this document. GREENMAKER INDUSTRIES ASSUMES NO LIABILITY, EXPRESSED OR IMPLIED, AS TO THE WORKMANSHIP, ENGINEERING OR ARCHITECTURE OF ANY PROJECT. For more information regarding this product or additional Decoplast products, please contact a Decoplast Representative at (860) 761-2830 or visit our website www.Decoplast.com.

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Decoplast Sheathing Fabric is a costeffective reinforcing fabric made by chemically bonding continuous filament yarn in an open mesh construction. It is commonly used to increase tear or puncture resistance, improve dimensional stability, or aid in processing. The utility of Decoplast Sheathing Fabric can be further enhanced by the use of functional binders for increased chemical, tear or moisture resistance, for proper chemical compatibility with the construction they are reinforcing, or for providing the adhesive properties needed for laminations.

Storage

Store off the ground in a dry area with adequate ventilation. Protect from extreme heat 130°F, moisture and direct sunlight.

Decoplast Dry Base Coat / Adhesive Premium

TECHNICAL DATA

REPORT	TEST METHOD
Surface Burning	ASTM E-84
Adhesion (psi)	ASTM C-297

METHOD TEST CRITERIA M E-84 < 25 Flame Spread < 450 Smoke Developed M C-297 28 days

TEST RESULTS
Pass
Pass
> 20 Gypsum Sheathing
> 15 EPS Board
> 80 Concrete Block
> 35 Dens-Glass [®] Gold

FEATURESBENEFITSOne-componentReady to use; easily mixed with water on the job sitePolymer-modifiedExcellent adhesion; increases durability and freeze/thaw resistanceSmooth consistencyTrowels on easily; increases productivityVapor permeableAllows substrate to breathe naturally; resists blistering due to vaporFactory blended Portland CementAssures performance mix ratioLow cement ratioLess alkalinity, less free lime, less efflorescenceBagged powder productLess solid waste

SURFACE PREPARATION

Adhesive Preparation:

Ensure surface is clean, dry and free of surface contamination. Install insulation board with adhesive within 30 days of the application of **Decoplast Weather-Resistive Barrier** or clean the surface and recoat with **Decoplast Weather-Resistive Barrier**.

Concrete / Masonry

Surfaces must be clean, dry and free of frost, damage and all bond inhibiting materials, including dirt, efflorescence, laitance, form oil and other foreign matter. Loose or damaged material must be removed by water blasting, sandblasting or mechanical wire brushing and repaired. Avoid application over irregular surfaces. Resurface, patch or level surfaces to required tolerance and smoothness with appropriate Decoplast leveling materials.

ASTM C 1177— Glass Mat Gypsum Sheathing

Ensure surface is clean, dry and free of surface contamination. Sheathing must be installed and protected in accordance with manufacturer's and building code requirements. Remove and replace weather damaged sheathing. Avoid application over irregular, out of plane surfaces. Install insulation board with adhesive within 30 days of installation of the sheathing.

Base Coat Preparation:

Insulation board must be rasped and free of all bond inhibiting materials.

Concrete or Masonry

Surfaces must be clean, dry and free of frost, damage and all bond inhibiting materials, including dirt, efflorescence, laitance, form oil and other foreign matter. Loose or damaged material must be removed by water blasting, sandblasting or mechanical wire brushing and repaired.

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Decoplast Dry Base Coat / Adhesive Premium is a one component, polymer-modified, cement based, dry powder material used as an adhesive and base coat used in the Decoplast Continuous Insulation Systems.

Coverage

 $75 - 100 \text{ ft}^2 (6.9-9.29 \text{ m}^2)$ per bag, used for both adhesive and base coat applications.

Adhesive over sheathing and smooth masonry:

200-240 ft² (18.6-22.3 m²) per bag, application with U-notched trowel having 1-1/2'' (38 mm) spread between notches; $3/8'' \times 1/2''$ notch.

Adhesive over rough or uneven masonry: 95-115 ft² (8.8-11.1 m²) per bag, application with U-notched trowel having 1-1/2" (38 mm) spread between notches; 3/8" x 1/2" x 1/2" notch.

Skim coat: 90-135 ft² (8.4-12.5 m²) per bag

Coverages may vary depending on application technique and surface conditions.

Packaging

50 lb. bag (23 kg).

Shelf Life

24 months, if unopened, properly stored and protected from moisture.

Storage

Store off the ground in a dry area. Protect from extreme heat [90°F (32°C)], moisture and direct sunlight.

Decoplast Dry Base Coat / Adhesive Premium

MIXING

Use 5-6.5 quarts (4.7-6.2 L) of clean, potable water per 50 lb. (23 kg) bag of Decoplast Dry Base Coat. Mix with a clean, rust-free electric drill and paddle. Allow to set approximately five minutes, adjust mix if necessary by adding up to 12 fl.oz. (0.35 L) of water per bag, remix to a uniform consistency. Avoid re-tempering after mixing of product. Do not exceed maximum amount of water in mix ratio.

APPLICATION

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 dimension 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 uniform pressure over the entire board surface. Do not delay installation once adhesive is applied.

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 Reinforcing Mesh in 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 dry 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. Embedded mesh in base coat should not be visible.

As a Skim Coat:

Apply in one application to a maximum thickness of 1/16" (1.6 mm) to the prepared surface and smooth the surface.

Curing/Drying

Dries within 24 hours under normal drying conditions [70°F (21°C), 50% RH]. Allow additional drying time during cold, humid, or wet weather until insulation board is fully adhered before rasping, and before application of primer or finish to hardened Decoplast Dry Base Coat. Protect from rain, freezing and continuous high humidity until completely dry. Decoplast recommends using Decoplast Primer prior to application of finish.

Clean Up

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

LIMITATIONS

Use Decoplast Dry Base Coat only when surface and ambient temperatures are above $40^{\circ}F$ (4°C) during application and drying period.

Sloped surfaces: Refer to Decoplast details.

Decoplast Dry Base Coat should not be used on weather-exposed horizontal or below grade surfaces or where immersion in water may occur.

Prevent rapid loss of moisture from exposure to direct sun, wind and high temperatures.

Decoplast Dry Base Coat should not be used as a finish coating.

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HEALTH AND SAFETY

Health Precaution

Contains Portland cement and crystalline-free silica. Avoid breathing dust. As with any chemical construction product, exercise care when handling.

DANGER!

Causes serious eye damage and/or skin irritation. May cause an allergic skin reaction, respiratory irritation, drowsiness or dizziness.

Safety Precaution

Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/ face protection.

First Aid:

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eye lids with fingers. Get immediate medical attention.

SKIN CONTACT: Immediately wash skin with plenty of soap and water for at least 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration or give oxygen by trained personnel. Seek medical attention immediately.

INGESTION: If swallowed, do NOT induce vomiting. Call a physician or a poison control center immediately. Never give anything by mouth to an unconscious person.

Spills

Contain and collect in an appropriate container. Uncured material may be removed with water.

Disposal

Dispose of in accordance with local, state or federal regulations.

Warning

KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR I NTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Safety Data Sheet (SDS) for further health and safety information.

LIMITED WARRANTY

This product is subject to a written limited warranty. Refer to Decoplast Specifications for more complete information on proper use and handling of this product.



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Decoplast Liquid Base Coat / Adhesive

TECHNICAL DATA

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Surface Burning	ASTM E-84	< 25 Flame Spread	Pass
		< 450 Smoke Developed	Pass
Adhesion (psi)	ASTM C-297	28 davs	> 20 Gypsum Sheathing
			> 15 EPS Board
			> 60 Concrete Block
			> 25 Dens-Glass [®] Gold
NFPA—285			UL Classified

FEATURES	BENEFITS
Polymer-modified	Excellent adhesion; increases durability and freeze/thaw resistance
Smooth consistency	Trowels on easily; increases productivity
Vapor Permeable	Use as an adhesive, base coat and leveling coat

SURFACE PREPARATION

Adhesive Preparation:

Decoplast Liquid Weather Resistive Barrier: ensure surface is clean, dry and free of surface contamination. Install insulation board with adhesive within 30 days of the application of Decoplast Liquid Weather Resistive Barrier, or clean the surface and recoat with Decoplast Liquid Weather Resistive Barrier.

Concrete or Masonry

Surfaces must be clean, dry and free of frost, damage and all bond inhibiting materials, including dirt, efflorescence, laitance, form oil and other foreign matter. Loose or damaged material must be removed by water blasting, sandblasting or mechanical wire brushing and repaired. Avoid application over irregular surfaces. Resurface, patch or level surfaces to required tolerance and smoothness with appropriate Decoplast leveling materials.

Glass Mat Gypsum Sheathing in Compliance with ASTM C 1177

Ensure surface is clean, dry and free of surface contamination. Sheathing must be installed and protected in accordance with manufacturer's and building code requirements. Remove and replace weather damaged sheathing. Avoid application over irregular, out of plane surfaces. Install insulation board with adhesive within 30 days of installation of the sheathing.

As a Base Coat

Insulation Board

Insulation must be rasped and free of all bond inhibiting materials.

Concrete or Masonry

Surfaces must be clean, dry and free of frost, damage and all bond-inhibiting materials, including dirt, efflorescence, laitance, form oil and other foreign matter. Loose or damaged material must be removed by water blasting, sandblasting or mechanical wire brushing and repaired.

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Decoplast Liquid Base Coat / Adhesive is a 100% acrylic polymer used as an adhesive and base coat combined with Portland Cement. Liquid Base Coat / Adhesive is used in the Decoplast Continuous Insulation Systems. It is a two component product.

Coverage

100-125 ft² (9.3-11.6 m²) per pail, when used for both adhesive and base coat applications.

Adhesive over sheathing and smooth masonry: 200-250 ft² (18.6-23.2 m²) per pail, application with U-notched trowel having 1-1/2'' (38.1mm) spread between notches; $3/8'' \times 1/2''$ notch.

As an adhesive over rough or uneven masonry: Coverage will vary based on surface condition of masonry.

As a base coat: 165-250 ft² (15.3-23.2m²) per pail.

As a skim coat: 185-250 ft² (17.2-23.2m²) per pail.

Coverages may vary depending on application technique and surface conditions.

Packaging

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

Shelf Life

24 months, if unopened, properly stored and protected from moisture.

Storage

Store off the ground in a dry area. Protect from extreme heat [90°F (32°C)], moisture and direct sunlight.

Decoplast Liquid Base Coat / Adhesive

MIXING

Mix equal parts of Decoplast Liquid Base Coat / Adhesive to Type I/ II Portland cement by weight. Mix with a clean, rust-free electric drill and paddle. Allow to set approximately five minutes, adjust mix if necessary by adding up to 8 fl. oz. (0.24 L) of water, and remix to a uniform consistency. Avoid retempering after mixing of product.

APPLICATION

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 dimension 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 uniform pressure over the entire board surface. Do not delay installation once adhesive is applied.

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 Reinforcing Mesh in 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 dry 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. Embedded mesh in base coat should not be visible.

As a Skim Coat:

Apply with a stainless steel trowel to a maximum thickness of 1/16" to the prepared surface.

Curing/Drying

Dries within 24 hours under normal drying conditions [70°F (21°C), 50% RH]. Allow additional drying time during cold, humid, or wet weather until insulation board is fully adhered before rasping, and before application of primer or finish to hardened Decoplast Liquid Base Coat. Protect from rain, freezing and continuous high humidity until completely dry. Decoplast recommends using Decoplast Primer prior to application of finish.

Clean Up

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

LIMITATIONS

Use Decoplast Liquid Base Coat only when surface and ambient temperatures are above 40° F (4°C) during application and drying period.

Sloped surfaces: Refer to Decoplast details.

Decoplast Liquid Base Coat should not be used on weather-exposed horizontal or below grade surfaces or where immersion in water may occur.

Prevent rapid loss of moisture from exposure to direct sun, wind and high temperatures.

Decoplast Liquid Base Coat should not be used as a finish coating.

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HEALTH AND SAFETY

Health Precaution

Decoplast Liquid Base Coat is water-based. As with any chemical construction product, exercise care when handling.

WARNING!

Causes eye and skin irritation.

Safety Precaution

Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

First Aid:

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eye lids with fingers. Get immediate medical attention.

SKIN CONTACT: Immediately wash skin with plenty of soap and water for at least 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration or give oxygen by trained personnel. Seek medical attention immediately.

INGESTION: If swallowed, do NOT induce vomiting. Call a physician or a poison control center immediately. Never give anything by mouth to an unconscious person.

Spills

Contain and collect in an appropriate container. Uncured material may be removed with water.

Disposal

Dispose of in accordance with local, state or federal regulations.

Warning

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LIMITED WARRANTY

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EPS Foam Board (Expanded Polystyrene)

INSULATION BOARD PROPERTIES

	TEST METH	OD		VALUES
MOISTURE RESISTANCE				
Water Vapor Transmission	ASTM E-96	5		2.0-5.0 Perms
Water Absorption	ASTM C-2	72		Less than 4% by Volum
STRENGTH PROPERTIES				
Compressive 10% Deflection	ASTM D-1	621		10-14 psi
Flexural Strength	ASTM C-2	03		25-30 psi
Tensile Strength	ASTM D-1	623		16-20 psi
SURFACE BURNING CHARACTERISTICS				
Flame Spread	ASTM E-84	4		<25
Fuel Contributed	ASTM E-84	4		Not Determinable
Smoke Development	ASTM E-84	4		<450
THERMAL PROPERTIES (1" THICK BOARD)				
Thermal Resistance @ 75°F	ASTM C-1	77-C518		R=3.6 ft ² -f-h/BTU
Thermal Resistance @ 40°F	ASTM C-1	77-C518		R=4.0 ft ² -f-h/BTU
Thermal Resistance @ 40°F	ASTM C-177-C518			U=0.25
Coeffienct of Thermal Expansion	ASTM D-6	96		0.000035 in/in-F
DENSITY	ASTM C-3	03		0.9 LBS/cu ft min
INSULATION THICKNESS	1″	2″	3"	4"
"R" Value	3.9	7.7	11.6	15.4

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Expanded Polystyrene (EPS) Foam Boards are an integral part of an EIFS system. Available in various thicknesses, flat or grooved, EPS Foam Boards provide insulative qualities as well as drainage capabilities for moisture release systems.

1/2" Thickness: 36 Pieces/Bundle—288 ft² 3/4" Thickness: 27 Pieces/Bundle—216 ft² 1" Thickness: 18 Pieces/Bundle—144 ft² 1-1/2" Thickness: 12 Pieces/Bundle—96ft² 2" Thickness: 8 Pieces/Bundle—72 ft² 3" Thickness: 6 Pieces/Bundle—48 ft² 4" Thickness: 4 Pieces/Bundle—36 ft² 6" Thickness: 3Pieces/Bundle—24 ft²

*Note: Boards to be installed in compliance to IBC 1705.15 section 1704.14.1 of the 2009 IBC.

MANUFACTURER REQUIREMENTS

- Radco #1182 Approved
- Only 100% virgin expandable polystyrene resin is to be used. The use of any regrind material is strictly forbidden.
- Density must be 1" or greater.
- Molded blocks shall be air dried for a minimum of six weeks (less than .5% residual pentane) prior to cutting into finished boards: +/- 1/32 inch
- Over entire board of a maximum size (2 x 4 ASTM C-550) length, width, thickness and squareness: +/-1/16 inch. Flatness over entire board: +/- 1/32 inch



Limitations

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-Installed boards not to be left exposed >30 days.

-If yellowing occurs, sand surface until yellowing is removed.

-Any boards less than 3/4" thickness after rasping must be removed and replaced.

Storage

Protect from extreme heat and direct sunlight.



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Decoplast Fiberglass Reinforcing Mesh

Detail Mesh (4.5 oz) / Standard Mesh (4.5 oz) High Standard Mesh (6.0 oz) / Intermediate Mesh (10.0 oz) Decoplast Armor 15 Mesh (14.0 oz) / Decoplast Armor 20 Mesh (20.0 oz) Decoplast Corner Mesh (6.0 oz)

TECHNICAL DATA

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS	;
Tensile Strength	ASTM D-5035	Product Detail Mesh Standard Mesh High Standard Mesh Intermediate Mesh Armor 15 Armor 20 Corner Mesh	WARP (PLI) 150 150 140 300 350 875 140	WEFT (PLI) 160 225 460 540 500 225
Product	Nominal Weight (YD². +/- 5 %)	Width of Roll	Length of R	oll
Detail Mesh Standard Mesh High Standard Intermediate Armor 15 Armor 20 Corner Mesh	4.5 oz 4.5 oz 6.0 oz 10.0 oz 14.0 oz 20.0 oz 6.0 oz	9.5" (0.24 m) 38" (0.97 m) 38" (0.97 m) 38" (0.97 m) 38" (0.97 m) 39" (0.97 m) 9.5" (0.24 m)	150' (45. 150' (45. 150' (45. 75' (22.9 75' (22.9 75' (22.9 150' (45.	7 m) 7 m) 7 m) 7 m) 9 m) 9 m) 7 m)

FEATURES

BENEFITS

Flexible Trimmed Edges Coated Glass Fiber Variety of Weights

DENEITIS

Easily wrapped at corners; provides crack resistance Minimizes building on overlapped seams Durable, long-lasting; provides impact resistance Meets a variety of requirements

USE

Decoplast Intermediate Mesh: for use as a reinforcing fabric in wall claddings. Achieves high-impact resistance.

Decoplast Detail Mesh: lightweight, highly flexible reinforcing fabric specially designed for use to facilitate back-wrapping system terminations, into reveals and for intricate architectural details in wall claddings, and to bridge sheathing joints and wrap rough openings applications.

Decoplast Mesh / High Standard: for use as standard reinforcing fabric in wall claddings, and in Autoclaved Aerated Concrete (AAC) wall applications. Achieves standard impact resistance.



Decoplast Reinforcing Meshes are specially designed coated glass fiber fabrics used as base coat reinforcement and for impact resistance wall applications.

Coverage Per Roll

Decoplast Detail Mesh: 118 ft² (11 m²) Standard Mesh: 475 ft² (44.1 m²) High Standard: 475 ft² (44.1 m²) Intermediate Mesh: 237 ft² (22.1 m²) Armor 15: 237 ft² (22.1 m²) Armor 20: 237 ft² (22.1 m²) Decoplast Corner Mesh: 118 ft² (11 m²)

Packaging Per Carton

Decoplast Detail Mesh: 16 Rolls / Box Standard Mesh: 4 Rolls / Box High Standard: 4 Rolls / Box Intermediate Mesh: 4 Rolls / Box Armor 15: 2 Rolls / Box Armor 20: 1 Rolls / Box Decoplast Corner Mesh: 4 Rolls / Box

Shelf Life

24 months, if unopened, properly stored and protected from moisture.

Storage

Store off the ground in a dry area. Protect from extreme heat [90ºF (32ºC)], moisture and direct sunlight.

Decoplast Fiberglass Reinforcing Mesh

Detail Mesh (4.5 oz) / Standard Mesh (4.5 oz) High Standard Mesh (6.0 oz) / Intermediate Mesh (10.0 oz) Decoplast Armor 15 Mesh (14.0 oz) / Decoplast Armor 20 Mesh (20.0 oz) Decoplast Corner Mesh (6.0 oz)

USE CONTINUED

Decoplast Armor 15: for use at ground floors and other areas of anticipated impact in wall claddings. Achieves ultra-high impact resistance when used beneath Decoplast Mesh.

Decoplast Armor 20: Decoplast's heaviest reinforcing fabric, for use at ground floors and other areas of anticipated impact in wall claddings. Exceeds ultra-high impact resistance when used beneath Decoplast Mesh.

SURFACE PREPARATION

Inspect the insulation board surface for planeness, damage or deterioration due to weather or abuse, and repair prior to application of reinforcing mesh. Rasp the insulation board surface.

APPLICATION

Decoplast Intermediate Mesh / Decoplast Mesh / High Standard Mesh: Apply a layer of base coat over previously rasped insulation board (or, over cement board stucco systems, or, over prepared AAC wall applications). Work horizontally or vertically in full width strips and fully embed mesh into wet base coat by troweling from center to the edges of the mesh. Avoid wrinkles in the mesh and smooth the base coat to eliminate trowel marks. Double wrap mesh at all corners and overlap not less than 2½" (64 mm) at mesh joints.

Decoplast Detail Mesh: Refer to appropriate Decoplast wall claddings specifications.

Decoplast Armor 15 / Armor 20: Apply a layer of Decoplast base coat over previously rasped insulation board. Work horizontally or vertically in full width strips and immediately embed Armor Mesh into the wet base coat. Butt Decoplast Armor Mesh tightly at seams. Apply Decoplast Mesh with appropriate base coat over the Armor Mesh application when dry.

LIMITATIONS

Decoplast Reinforcing Meshes should only be used in accordance with appropriate Decoplast Insulated Wall Cladding Specification or other published recommendations.



HEALTH AND SAFETY

Health Precaution

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

Safety Precaution

Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

First Aid:

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Contact a physician.

Disposal

Dispose of in accordance with local, state or federal regulations.

Warning

KEEP CONTAINER 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) for further health and safety information.

LIMITED WARRANTY

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Decoplast Primer

64 Standard Colors / Custom Colors

TECHNICAL DATA

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Surface Burning	ASTM E-84	< 25 Flame Spread < 450 Smoke Developed	Pass Pass

BENEFITS

FEATURES

Acrylic Based

Water-Based

Low VOC

Tinted for Finish

Substrate Absorption

Non Vapor Barrier

Excellent adhesion; finish coat adhesion improvement Color uniformity improvement Improves coverage, water-resistance, and reduces possible efflorescence Allows substrate to breathe naturally Safe, non-toxic; cleans up with water Safe for workers and the environment

SURFACE PREPARATION

Surfaces must be clean, dry, and free of frost, damage, releasing agents, including dirt, efflorescence, form oil and other foreign matter. Loose or damaged material must be removed by water blasting, sandblasting or mechanical wire brushing and repaired. Avoid application over irregular surfaces. Resurface, patch or level surfaces to required tolerance and smoothness with appropriate Decoplast leveling materials.

Pressure washing is a recommended means of surface preparation. Follow necessary safety precautions and adjust pressure to avoid damage to the underlying substrate or substrate condition. For mold, algae, and mildew removal, treat surfaces with a commercial mildew removal and/or wash product carefully following manufacturer's application and safety directions.

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Decoplast Primer is used for priming prepared concrete, masonry, plaster, EIFS base coat, or drywall surfaces prior to application of Decoplast Finishes and Coatings.

Coverage

 $800\text{-}1000~\text{ft}^2~(74.3\text{-}92.9~\text{m}^2)$ per pail applied at 4 to 6 wet mils per coat

Packaging

5 gal pail (19L) 47.5 lbs / 21.6 kg per pail

Shelf Life

24 months, if properly sealed and stored.

Storage

Store off the ground in a cool/dry area. Protect from extreme heat [90°F (32°C)], moisture and direct sunlight.

Decoplast Primer

64 Standard Colors / Custom Colors

MIXING

Mix with a clean, rust-free electric drill and paddle to a uniform consistency. Close container when not in use. Clean tools with water immediately after use.

APPLICATION

Apply only to sound and clean, dry, properly prepared surfaces.

Airless Spraying:

Use airless sprayer with minimum 19 mil tip. Use a starting pressure of 1900 psi and adjust as necessary.

As a primer:

Apply at 4-6 wet mils per coat. Multiple coats may be required, depending on surface condition.

Curing/Drying TIme

Times assume 70° F (21° C) and 50% relative humidity. Drying time varies with temperature/ humidity and surface conditions. Protect installed product from rain, freezing, and continuous high humidity until completely dry.

Clean Up

Clean all tools and equipment immediately with water. Cured material may be removed by mechanical means.

LIMITATIONS

- Use Decoplast Primer only when surface and ambient temperatures are above 40°F (4°C) and below 100°F (38°C) during application and drying period.
- Store Decoplast materials in a cool, dry place.
- Sloped surfaces: Refer to Decoplast details.
- Decoplast Primer should not be used on horizontal surfaces unless protected with appropriate Decoplast Finish materials.
- Do not apply Decoplast Primer to frozen surfaces.

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HEALTH AND SAFETY

Health Precaution

Decoplast Primer is water-based. As with any chemical construction product, exercise care when handling.

WARNING!

Causes eye and skin irritation.

Safety Precaution

Wash hands thoroughly after handling. Wear protective gloves/protective clothing/ eye protection/face protection.

First Aid:

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eye lids with fingers. Get immediate medical attention.

SKIN CONTACT: Immediately wash skin with plenty of soap and water for at least 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration or give oxygen by trained personnel. Seek medical attention immediately.

INGESTION: If swallowed, do NOT induce vomiting. Call a physician or a poison control center immediately. Never give anything by mouth to an unconscious person.

Spills

Contain and clean with appropriate absorbent materials.

Disposal

Dispose of in accordance with local, state or federal regulations.

Warning

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Decolastic Textured Finishes

Ispica (Freestyle) /Genova (Fine Sand) / San Remo (Coarse Sand) Trieste (Medium Sand) / Taormina (Fine Swirl) /Graffiato (Medium Swirl)

TECHNICAL DATA

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Flexibility	ASTM D-522	1/8" mandrel bend	Pass
Water Vapor Transmission	ASTM E-96	ICC Vapor Permeability	Pass
Accelerated Weathering	ASTM G-154	2000 hours	No deleterious effects
Surface Burning	ASTM E-84	≤ 25 Flame Spread ≤450 Smoke Developed	Pass
Freeze-thaw Resistance	ASTM 2485	60 cycles	Pass; No deleterious effects
Adhesion (psi)	ASTM D-4541	28 days	> 105 to concrete > 80 to stucco

FEATURES BENEFITS Elastomeric Bridges hairline cracks Acrylic-Based Excellent adhesion Ready-Mixed Ready to use on site; no additional additives needed Water-Based Safe, non-toxic; cleans up with water

SURFACE PREPARATION

Concrete and masonry surfaces: Surfaces must be clean, dry, and free of frost, damage, releasing agents, including dirt, efflorescence, form oil and other foreign matter. Loose or damaged material must be removed by water blasting, sandblasting or mechanical wire brushing and repaired. Avoid application over irregular surfaces. Resurface, patch or level surfaces to required tolerance and smoothness with appropriate Decoplast leveling materials.

Decoplast recommends priming cementitious substrates using Decoplast primer prior to application of finish:

For color uniformity, maximum finish coverage, and neutralizing high pH (highly alkaline) surfaces.

MIXING

Mix with a clean, rust-free electric drill and paddle to a uniform consistency. A small amount of clean water may be added to aid workability. Limit addition of water to amount needed to achieve the finish texture. Additives are not permitted. Close container when not in use. Clean tools with water immediately after use.

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Decolastic Textured Finishes are readymixed, 100% acrylic-based, elastomeric exterior textured coatings used as decorative wall finish over all approved basecoats, prepared concrete, masonry and plaster substrates.

Coverage

Decolastic Freestyle (Ispica): Varies with technique.

Decolastic Fine Sand Finish (Genova): 130 -145 ft² (12.1-13.5 m²) per pail.

Decolastic Medium Sand Finish (Trieste): 115 - 130 ft² (10.7-12.1 m²) per pail.

Decolastic Coarse Sand Finish (San Remo): 85 - 100 ft² (7.9-9.3 m²) per pail.

Decolastic Fine Swirl Finish (Taormina): 160 -180 ft² (14.8-16.7 m²) per pail.

Decolastic Medium Swirl Finish (Graffiato): 130 - 145 ft² (12.1-13.5m²) per pail.

Coverages may vary depending on application technique and surface conditions.

Packaging

5 gal pail (19L) 68.5 lbs / 31 kg per pail

Shelf Life

24 months, if properly sealed and stored.

Storage

Store off the ground in a cool/dry area. Protect from extreme heat [90°F (32°C)], moisture and direct sunlight.

Decolastic Textured Finishes

Ispica (Freestyle) /Genova (Fine Sand) / San Remo (Coarse Sand) Trieste (Medium Sand) / Taormina (Fine Swirl) /Graffiato (Medium Swirl)

APPLICATION

Apply only to sound and clean, dry, properly prepared surfaces.

Trowel: Apply Decolastic Textured Finish with a clean stainless steel trowel to a rough thickness slightly more than the largest aggregate size. Apply the finish keeping thickness uniform. Maintain a wet edge on Decolastic Textured Finish by applying and texturing continually over the wall surface. Work Decolastic Textured Finish to corners, joints or other natural breaks. Do not allow material to set up within an uninterrupted wall area. Achieve final texture by floating with the appropriate trowel.

Spray: Decolastic Textured Finishes can be applied with a gravity-feed sprayer, texture spray pump machine, or other appropriate equipment. To ensure full coverage of the surface, apply in an even coat.

IMPORTANT: ALWAYS check color for proper match.

Apply coating continuously, maintain a wet edge to eliminate cold joints. Work Decolastic Textured Finish to corners, joints or other natural breaks. Avoid application in direct sunlight. Protect installed product from rain, freezing, and continuous high humidity until completely dry.

Curing/Drying

Decolastic Textured Finishes dry within 24 –72 hours under normal conditions [70°F (21°C), 50% RH]. Drying time varies with temperature, humidity and surface conditions.

Clean Up

Clean tools and equipment with water immediately after use. Remove dried material from tools and equipment mechanically.

LIMITATIONS

Use Decolastic Textured Finishes only when surface and ambient temperatures are above 40°F (4°C) and below 100°F (38°C) during application and drying period.

Store Decoplast materials in a cool, dry place.

Sloped surfaces: Refer to Decoplast details.

Decolastic Textured Finishes should not be used on weather-exposed horizontal or below grade surfaces or where immersion in water may occur.

Do not apply Decolastic Textured Finish to frozen surfaces.

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HEALTH AND SAFETY

Health Precaution

Decolastic Textured Finishes are water-based. As with any chemical construction product, exercise care when handling.

WARNING!

Causes eye and skin irritation.

Safety Precaution

Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

First Aid:

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eye lids with fingers. Get immediate medical attention.

SKIN CONTACT: Immediately wash skin with plenty of soap and water for at least 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration or give oxygen by trained personnel. Seek medical attention immediately.

INGESTION: If swallowed, do NOT induce vomiting. Call a physician or a poison control center immediately. Never give anything by mouth to an unconscious person.

Spills

Contain and clean with appropriate absorbent materials.

Disposal

Dispose of in accordance with local, state or federal regulations.

Warning

KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRI-AL USE ONLY. Consult the Safety Data Sheet (SDS) for further health and safety information.

LIMITED WARRANTY

This product is subject to a written limited warranty. Refer to Decoplast Specifications for more complete information on proper use and handling of this product.



697 Oakwood Avenue, West Hartford, CT 06110 voice: 860.761.2830 fax: 860.761.2831 www.decoplast.com This product is intended for use by qualified professional contractors. All information conforms to the standard detail recommendations and specifications for the installation of Decoplast systems and is presented in good faith as of the date of publication of this document. GREENMAKER INDUSTRIES ASSUMES NO LIABILITY, EXPRESSED OR IMPLIED, AS TO THE WORKMANSHIP, ENGINEERING OR ARCHITECTURE OF ANY PROJECT. For more information regarding this product or additional Decoplast products, please contact a Decoplast Representative at (860) 761-2830 or visit our website www.Decoplast.com.

decoplast The Finest Finishes



Consistency & Difference

Our engineers have meticulously designed and constantly enhance the most hi tech formulas in the industry. With great hang times, superb consistency and superior adhesion, our materials are some of the best around. Once you try them, you will see the DECO difference.



Greenmaker Industries 697 Oakwood Ave West Hartfort, CT 06110 Phone: 860-761-2830 www.decoplast.com www.greenmakerind.com





DECOPLAST LIMITED PRODUCT WARRANTY

Warranty Reference Number: Project Name: Project Address:

Products: Warranty Period:

Owner: Owner Address:

General Contractor: General Contractor Address:

Applicator: Applicator Address:

Distributor: Distributor Address: Distributor Representative:

Square Footage: Completion Date: Warranty Issue Date:

Greenmaker Industries of Connecticut, LLC ("GMI") warrants for the Warranty Period stated above, from the completion date stated above, that the Product(s) identified above ("Decoplast Products"), when properly applied in strict accordance with Decoplast instructions contained in its Product Bulletins for the Products (in force at the time of installation), by an applicator qualified by the general contractor, owner or other party with whom the applicator holds its contract, and properly integrated into building construction in accordance with sound building design and construction practices, shall be free from defects in manufacture for the period specified above.

No warranty whatsoever is made with respect to materials or components that are not sold or manufactured by GMI and GMI makes no warranty whatsoever with respect to aesthetics, design, or engineering of the structure into which Decoplast Products are incorporated, or with respect to the workmanship or application of any Decoplast Products.

GMI makes no warranty, express or implied, with respect to Decoplast Products, except as expressly stated herein. THIS LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER EXCEPT TITLE, WHETHER ORAL, WRITTEN, EXPRESS OR IMPLIED OR IMPOSED BY LAW, INCLUDING IN LIEU OF THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE AND ANY WARRANTY AGAINSTINFRINGEMENT OR THE LIKE.

GMI also shall not be responsible for damage caused in whole or in part by an act of God, natural phenomenon or physical abuse, including but not limited to on account of a falling object, projectile, fire, earthquake, flood, hail, tornado, lightning, hurricane, pest, chemical fume, vandalism, civil disobedience, or war, or for damage caused by remodeling or renovation, structural movement, insufficient or defective waterproofing between the Decoplast Products and non-Decoplast material, or any other damage not solely caused by a defect in manufacture of Decoplast Products as covered under this Limited Warranty.

GMI shall not be responsible for incidental or consequential damages as such terms are defined in Section 2-715 of the Uniform Commercial Code or any other applicable or successor law defining said terms under any circumstance, regardless of their cause, and shall not be responsible for indirect, special, or punitive damages, also regardless of their cause. GMI's sole responsibility and liability under this Limited Warranty shall be to supply replacement materials for any portion of Decoplast Products warranted hereunder, which violates the express terms of this Limited Warranty. In no case shall the cost of the replacement materials exceed the original purchase price of the Decoplast manufactured Products, less an allowance for depreciation.

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This Limited Warranty provides the sole remedy to the purchaser and any other person or entity claiming rights against GMI arising from or relating to the Decoplast Products. No claim independent of this Limited Warranty, such as negligence or breach of contract, shall be made by the purchaser of Decoplast Products or any other person or entity claiming rights against GMI arising from or relating to Decoplast Products.

This Limited Warranty may not be transferred or assigned except within the stated Warranty Period to the contractor, general contractor, owner, and any subsequent owner of the structure into which Decoplast Products shall be incorporated. Since the Decoplast Products are building materials and are not intended to be sold to a consumer, except as part of real estate or as a major addition thereto, this Limited Warranty is not intended to apply to any consumer, as such term is defined by the Magnuson-Moss Warranty Act.

GMI shall not have any obligation under this Limited Warranty unless the party making a proper claim under it notifies GMI in writing at 697 Oakwood Avenue, West Hartford, CT 06110, ATTN: Warranty Services, within 30 days of when the party discovered or should have discovered the alleged damage which is the subject of the claim.

GMI shall be allowed a reasonable period of time to investigate the alleged damage, including by removing samples, and to perform any testing deemed necessary to determine the cause(s) of the alleged damage. The Owner must provide GMI with a reasonable opportunity to investigate the claim and any alleged failure of the Products to perform as warranted herein. The Owner shall have the sole responsibility, at the Owner's cost and expense, to provide the GMI with free and full access to the installed Products during regular business hours for purposes of the investigation, including obtaining necessary approval and/or releases from building occupants who may be affected by the investigation and/or by any remedy GMI may provide under this warranty. GMI shall not be responsible for removal of any materials which may cover the Products, or any costs associated with removing or replacing any such materials. The party making the claim under this Limited Warranty shall provide and cause any temporary repairs to be accomplished in a timely manner to prevent further damage until a full repair is completed.

GMI shall not have any obligation under this Limited Warranty where the party making a claim under it failed to properly maintain the Decoplast Products, or other elements of construction. Such maintenance shall include but not be limited to repair of cracks or mechanical damage, periodic recoating, and maintenance of roofing, flashing, sealants, windows, doors and other penetrations through the wall assembly, paint on windows, seals at window cracks and seams, and any other area of water entry or potential water entry through windows or other components of construction, in such a manner that these elements or components remain watertight and leak proof. The party making a claim under this Limited Warranty acknowledges that GMI has a maintenance and repair guide for buildings finished with Decoplast Products which is available upon request.

This Limited Warranty may not be modified except in writing by an authorized representative of GMI. Failure by GMI to enforce any term or condition of this Limited Warranty shall not be construed to be a waiver of same. Issuance of this Limited Warranty does not in any way suggest that a party making a claim under it on a later date may be entitled to some benefit.

GMI does not practice Engineering or Architecture. Neither the issuance of this Limited Warranty nor any review of construction, plans, specifications, or details by GMI shall constitute a warranty by GMI of such construction, plans, specifications, or details, or constitute an extension of the terms and conditions of this Limited Warranty.

This Limited Warranty is null and void unless GMI has received payment in full for Decoplast Products.

This Limited Warranty shall be interpreted under the terms of the Uniform Commercial Code or a successor law thereto.

REQUEST FOR WARRANTY ISSUANCE MUST BE MADE PROMPTLY FOLLOWING THE DATE OF PROJECT SUBSTANTIAL COMPLETION. THE COMPANY RESERVES THE RIGHT, IN ITS SOLE DISCRETION, TO REFUSE A REQUEST FOR ISSUANCE IF SUCH REQUEST IS NOT MADE WITHIN A REASONABLE TIME FOLLOWING THE DATE OF SUBSTANTIAL COMPLETION.



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