



EXTERIOR WALL SYSTEM SUBMITTAL

Specification Section:	Division 07 – Thermal and Moisture Protection
07 24 00	Exterior Insulation and Finish Systems
07 24 19	Water-Drainage Exterior Insulation and Finish Systems
07 25 00	Water-Resistive Barriers
07 27 00	Air Barriers

Date of Submittal:

Project Name:

Project Address:

Architect / Designer:

Contractor:

Subcontractor:

System	Decoplast DDARS – GPS Channeled Adhesive CI Water-Drainage EIFS
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Applicable Codes: IBC / IRC / IECC (2009–2024) / **Primary Code Edition:** 2024 IBC, IRC & IECC /
Evaluation Agency: ICC-ES

ICC-ES ESR Number: ESR-3428

Florida Product Approval: FL16250-R4

Miami Dade NOA: NOA 23-0606.5

Attachments:

Item No.	Description
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Submittal Number

#

Date:

Submitted By

Decoplast Technical Services
697 Oakwood Ave., West Hartford, CT 06110
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Statement of Compliance

This submittal is provided by Decoplast and is intended to demonstrate compliance with project specifications and the International Building Code (IBC), International Residential Code (IRC), and International Energy Conservation Code (IECC) as evaluated in ICC-ES Evaluation Report ESR-3428.



DECOPLAST WHO WE ARE!

Manufacturers Qualification Statement

Who Are We:

Celebrating our 40th anniversary with more than half billion square feet of installed product at Decoplast, our mission is to revolutionize the construction industry with our cutting-edge Exterior Insulation and Finish Systems (EIFS). We are committed to delivering solutions that not only meet but exceed the expectations of our clients, offering unparalleled energy efficiency, durability, and aesthetic appeal.

Our Mission:

Our mission is to provide innovative, high-quality EIFS that contribute to energy-efficient and environmentally responsible construction practices. We aim to create systems that enhance thermal performance, moisture control, and visual appeal of buildings, ensuring long-term satisfaction for our clients.

What Sets Us Apart?

Innovation: We pride ourselves on our continuous investment in research and development to bring the latest advancements in EIFS technology to the market. Our systems are designed to provide superior insulation, moisture control, and aesthetic flexibility.

Quality: At Decoplast, quality is non-negotiable. From the selection of raw materials to the final installation, our rigorous quality control processes ensure that every product meets the highest standards of performance and reliability.

Sustainability: We are committed to sustainable building practices. Our products are designed to reduce energy consumption, improve indoor air quality, and minimize environmental impact. We utilize low- VOC materials and recyclable packaging to support green building initiatives.

Customer-Centric Approach: Understanding the unique needs of our clients is at the core of what we do. Our dedicated team of experts works closely with architects, builders, and contractors to provide tailored solutions that deliver exceptional results.





Our Commitment to Sustainability:

We are dedicated to promoting sustainable construction practices. Our EIFS solutions are designed to reduce energy consumption, enhance indoor air quality, and minimize environmental impact. We prioritize the use of eco-friendly materials and processes, contributing to a greener future for the construction industry

Our Products:

Decoplast offers a comprehensive range of EIFS products, including:

- **EIFS Continuous Insulation Systems:** Designed to reduce thermal bridging and enhance energy efficiency.
- **DFS – Direct Finish Systems**
- **Moisture Management Systems:** Developed to provide superior protection against water infiltration while allowing vapor permeability.
- **Insulated and Traditional Non-Insulated Stucco Systems**
- **Decorative Finishes:** Available in a variety of textures and colors, allowing for creative architectural expression.

Why Choose Decoplast?

By choosing Decoplast, you are partnering with a leader in exterior cladding solutions that is dedicated to excellence in every aspect of our business. We stand by our products and support our clients with unmatched technical expertise and customer service.

Join Us on Our Journey

We invite you to explore the possibilities with Decoplast. Whether you are an architect, builder, or contractor, our comprehensive range of EIFS products and services can help you achieve your project goals. Partner with us and experience the Decoplast difference.

Thank you for considering Decoplast for your exterior cladding needs. We look forward to the opportunity to work with you and help bring your projects to life with our innovative EIFS solutions

Sincerely
Your Decoplast Team



Decoplast Project Reference List

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

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)
- Hilton Hotel Properties – **Approved Supplier**
 - o Home 2 Suites (Gulfport, MS)
 - o Home 2 Suites (Pensacola, FL)
 - o Hampton Inn (Gulf Shores, AL)
 - o Hampton Inn (Milwaukie, WI)
 - o Hampton Inn (Gulfport, MS)
 - o Hampton Inn (Burtonsville, PA)
 - o Hampton Inn (Panama City, FL)
 - o TRU Hotel (McDonough, GA)
- Walt Disney World - Orlando, FL (completed in 2001)
- Flamingo Hotel Casino - Las Vegas, NV (completed in 2002)
- Holiday Inn Express - multiple
- Hotel RIU Plaza - NY, NY
- Choice Hotels Group
- Marriott Hotel Group - multiple
 - o Fairfield Inn (Plainville, CT)
 - o Fairfield Inn (Brooklyn, NY)
 - o Town Place Suites (Shalimar, FL)
 - o Fairfield Inn (Atmore, AL)
 - o Fairfield Inn (Saraland, AL)
- o Fairfield Inn (Meridian, MS)
- o Fairfield Inn (Gulfport, MS)

COMMERCIAL / RETAIL / MIXED-USE-RESIDENTIAL / RESTAURANT

- Buck-ees chain of country stores, gas stations – multiple (Nationally Specified)
- Jaguar Land Rover Dealership (largest in USA) Miami FL
- Conde Nast Building - Times Square, NY, NY (completed in 1997)
- Tiffany Company Store - Nationally Specified (85 Locations completed to date)
- 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'd 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
- 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
- CIA Building - Langley, VA (completed in 2005)
- American Consulate - Rome, Italy (completed 1985)
- Volor Barracks Building 2273 – Fort Polk LA
- Bachelor Enlisted Quarters Buildings BEQ F, D and H. Marine Corps Base Guam
- 3 Completed - One that handled Category 4 Typhon Mawr in 2003 with 145 mph winds.
- UNLV Library and Dorms - Las Vegas, NV (completed in 1998)
- Yankee Stadium (completed in 2008)
- City Field (completed in 2008)
- Yale University - New Haven, CT (completed in 1995)
- MOMA Museum of Modern Art (1992 and expansion in 2003)
- Arthur Ash Tennis Stadium -Flushing Meadows, NY

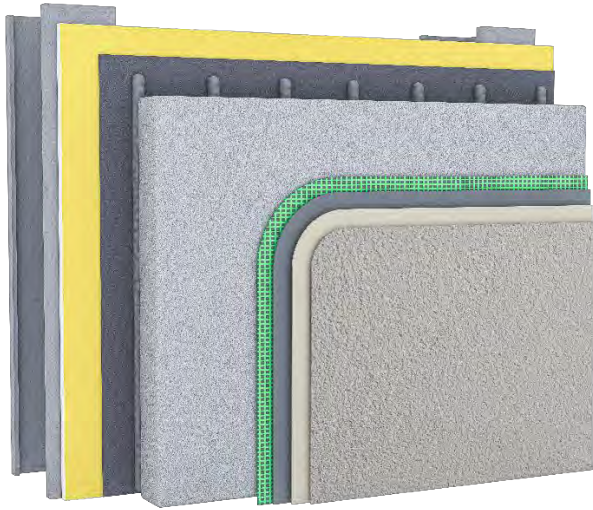
System Overview

Decoplast DDARS Vertical Adhesive Ci GPS EIFS System with Integrated Air/Water-Resistive Barrier



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

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



SYSTEM COMPONENTS

1. Substrate
2. Fluid Applied Air and Water Barrier
3. Vertical Adhesive Channels for drainage performance
4. GPS Graphite Infused Expanded Polystyrene Insulation Board Insulation
5. Fiberglass reinforced base coat
6. Primer (recommended)
7. Finish

CHARACTERISTICS / ADVANTAGES

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

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

MAINTENANCE

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

LIMITATIONS

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

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

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

LIMITED WARRANTY

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

ATTENTION/IMPORTANT

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

www.decoplast.com

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VER 1A-2026/DECODDARS-GPSCI/SYSINFO



Pre Specification Note to Architects and Specifiers

Decoplast DDARS® Water-Drainage EIFS – Design Considerations and Guidelines and Short-Form Specification

Dear Design Professional,

Decoplast is pleased to provide the enclosed technical resources for the **Decoplast DDARS® Water-Drainage Exterior Insulation and Finish System (EIFS)**. These materials are intended to support informed design decisions, clear detailing, and efficient specification of a modern, code-compliant drained EIFS wall assembly.

To better align with current architectural practice and CSI/MasterSpec conventions, the information is provided in **two coordinated documents**, each serving a distinct purpose:

1. Decoplast DDARS – Design Considerations & Application Guidelines

This document is **informational and non-contractual**. It presents general design guidance related to water management, air barrier continuity, vapor diffusion, thermal performance, impact resistance, color selection, and architectural detailing. The guidance is intended to assist during early design, enclosure coordination, and detailing phases and reflects current EIFS industry best practices and code-referenced performance principles.

2. Section 07 24 19 – Water-Drainage Exterior Insulation and Finish Systems (EIFS) Specification

This document is a **short-form CSI-formatted specification** for use in the Contract Documents. It is organized in accordance with **CSI SectionFormat™ and MasterFormat®**, and defines scope, performance requirements, materials, and execution for the Decoplast DDARS Vertical Adhesive EPS Continuous Insulation System.

Separating design guidance from the contract specification is intended to:

- Improve clarity regarding **design intent versus contractual requirements**
- Simplify specification coordination and editing
- Reduce the potential for advisory language to be misinterpreted as enforceable requirements
- Support consistent, repeatable EIFS detailing across projects

Both documents are written to coordinate with applicable building codes, referenced ASTM and NFPA standards, and current enclosure design practices. Final system selection, detailing, and specification should be coordinated with project-specific conditions, climate considerations, and applicable codes.

We appreciate the opportunity to support your work and welcome collaboration during design or specification development. Please contact Decoplast technical services with any questions or for project-specific assistance.

Sincerely,

Decoplast Technical Services

Greenmaker Industries

West Hartford, Connecticut / Phone: 860-761-2830 / Website: www.decoplast.com

Decoplast DDARS® – Design Considerations & Guidelines

Water-Drainage Exterior Insulation and Finish System (EIFS)

Document Intent

This document provides general design guidance and application considerations for the **Decoplast DDARS Water-Drainage Exterior Insulation and Finish System (EIFS)**. It is intended to assist architects, engineers, and other design professionals with system selection, detailing, and coordination.

This document is **informational only** and is **not intended to form part of the Contract Documents**.

1. System Overview

Decoplast DDARS is a water-drainage exterior insulation and finish system (EIFS) incorporating a fluid-applied air and water-resistive barrier, adhesively attached graphite infused expanded polystyrene (GPS) continuous insulation, reinforced base coat, and decorative finish. The system is intended for **vertical, above-grade, non-load-bearing exterior wall applications**.

The system includes integrated drainage capability and, when properly coordinated with flashing and other water-management components, is designed to drain incidental moisture, as demonstrated by testing in accordance with **ASTM E2273**.

Decoplast Air Water Barrier (AWB) is intended to function as a component of a properly designed and constructed exterior wall assembly. It is not intended to compensate for deficient design, improper detailing, or faulty workmanship, nor to correct defects in adjacent construction, including fenestration assemblies that permit water intrusion into the wall assembly.

2. Water Management

Effective water management requires proper coordination of the EIFS with flashing and related drainage components. Flashing should be provided to direct water to the exterior where it is likely to penetrate the wall assembly, including locations above window and door heads, beneath window and door sills, at roof-to-wall intersections, deck connections, abutments of lower walls with higher walls, above projecting features, at floor lines, and at the base of the wall.

The system should not be used on surfaces subject to continuous or intermittent water immersion or hydrostatic pressure. Prevent accumulation of water behind the system through appropriate design, detailing, construction sequencing, and temporary protection during construction.

3. Air Barrier Continuity

Continuous air barrier design is essential to limit uncontrolled air movement and reduce condensation potential within the wall assembly. Air barrier components should be coordinated at foundations, roofs, windows, doors, penetrations, and transitions using compatible materials and detailing.

Construction sequencing should be considered when designing an airtight enclosure, including the effects of airtightness on mechanical ventilation strategies and overall building performance.

4. Vapor Diffusion and Hygrothermal Performance



Evaluate wall assembly performance using dew-point analysis and/or hygrothermal modeling appropriate to project climate conditions. Adjust insulation thickness, material selection, and wall assembly configuration as necessary to reduce the risk of moisture accumulation due to vapor diffusion.

Avoid the use of interior vapor retarders in hot, humid climates unless supported by project-specific hygrothermal analysis.

5. Terminations, Penetrations, and Sealants

Sealant joints should be provided at EIFS terminations and penetrations, including windows, doors, scuppers, and mechanical, electrical, and plumbing penetrations. Joint dimensions and materials should accommodate anticipated movement and be compatible with EIFS materials.

Use **low-modulus, high-movement elastomeric sealants** specifically **silicones** and **STPE (silyl-terminated polyether)** that are **tested to ASTM C1382** and approved by the EIFS manufacturer. These are the only sealants consistently proven compatible with EIFS lamina and movement behavior.

Maintain continuity of the air barrier across joints and detail transitions to promote drainage to the exterior or otherwise manage incidental water intrusion.

6. Grade Conditions

Provide a minimum clearance above grade in accordance with applicable code requirements. Do not specify the system for below-grade applications.

EIFS is not approved for below-grade use

EIFS is a **non-ground-contact cladding** and is required to **terminate above grade** to prevent:

- Capillary water wicking
- Soil moisture intrusion
- Freeze-thaw damage
- Insect entry
- Impact damage

Manufacturers vary slightly, but all require **positive separation** from soil.

Typical requirements:

- **6–8 inches above finished grade**
- **2 inches minimum above paved surfaces**
- **No contact with mulch, landscaping, or snow accumulation zones**

7. Impact Resistance and Durability

Impact resistance of the Decoplast DDARS system varies based on reinforcing mesh selection. Increased impact resistance reinforcement may be appropriate at ground-level areas and locations subject to higher abuse. Reinforcement options have been tested in accordance with **ASTM E2458**, and the system may be suitable for hurricane impact resistance where applicable.

Impact resistance of the EIFS cladding varies based on selection of reinforcing mesh within the reinforced base coat.

Areas subject to increased abuse, pedestrian traffic, or maintenance activity may require enhanced impact resistance.

Coordinate locations requiring standard, high, or ultra-high impact resistance with the Drawings.

Standard Impact	25–49 in-lb.	4.5 oz	Upper stories, low-exposure areas
Medium Impact	50–89 in-lb.	6–10 oz	General wall areas, moderate traffic
High Impact	90–150 in-lb.	10–15 oz	Ground level, pedestrian zones
Ultra-High Impact	>150 in-lb.	15–20 oz	Schools, hospitals, loading docks, high-abuse areas

8. Architectural Features

Design EIFS trim, sills, ledges, build-outs, reveals, and other architectural features to promote effective water shedding and long-term durability. Avoid flat or near-horizontal surfaces where practical, particularly in areas exposed to frequent wetting, freeze-thaw cycling, or snow accumulation.

Evaluate slope, projection depth, and profile geometry based on exposure conditions, climate, and architectural intent. Maintain sufficient insulation thickness at architectural profiles and reveal returns to support lamina durability and resist cracking or impact damage. Avoid thin or sharply tapered profiles where performance may be compromised.

Where architectural features are highly exposed or project significantly from the wall plane, additional detailing or protection may be appropriate. Consider accessibility and future maintenance when incorporating extensive or complex EIFS projections.

9. Color and Thermal Performance

Expanded polystyrene (EPS) insulation has defined service temperature limitations. Surface temperatures of EIFS assemblies may be influenced by solar exposure, orientation, climate conditions, and finish color.

Dark-colored finishes, generally those with **Light Reflectance Values (LRV) below approximately 20 percent**, may contribute to elevated surface temperatures depending on exposure conditions and should be reviewed accordingly.

GPS insulation is flammable and must be kept away from flame, ignition sources, high heat, and sustained temperatures in excess of **165°F (74.8°C)**.

10. Codes, Standards, and Sustainability

Decoplast DDARS has been evaluated for compliance with applicable building codes and industry standards, including IBC, ASTM, ICC-ES acceptance criteria, and NFPA fire-performance requirements. Use of continuous exterior insulation and air barrier systems may contribute to improved thermal performance, reduced energy consumption, and sustainability program objectives such as LEED.

11. Finishes

EIFS finishes are categorized into finish tiers for bidding and pricing purposes. The finish tier designation establishes the basis of pricing for the work. Coordinate finish tiers with the Drawings and Finish Schedules.

Additional Information

Refer to current Decoplast product data sheets, published details, ICC Evaluation Reports, and technical resources available at **www.decoplast.com**.

DECOPLAST DDARS® VERTICAL ADHESIVE CI GPS – GRAPHITE INFUSED CONTINUOUS INSULATION SYSTEM SPECIFICATION

SECTION 07 24 19 WATER-DRAINAGE EXTERIOR INSULATION AND FINISH SYSTEMS

PART 1 – GENERAL

1.01 SUMMARY

- A. Provide a complete water-drainage exterior insulation and finish system (EIFS) consisting of a fluid-applied air and water-resistive barrier, continuous exterior insulation adhesively attached to form a drainage cavity, reinforced base coat, and decorative finish.
- B. System: Decoplast DDARS Vertical Adhesive EPS Continuous Insulation System.
- C. Non-load-bearing exterior wall cladding for vertical, above-grade applications.

1.02 RELATED SECTIONS

06 16 00 – Sheathing
07 27 00 – Air Barriers
07 62 00 – Sheet Metal Flashing and Trim
07 90 00 – Joint Protection
08 40 00 / 08 50 00 – Entrances and Windows

1.03 REFERENCES

ASTM C578 – Expanded Polystyrene (EPS) Thermal Insulation
ASTM E84 – Surface Burning Characteristics
ASTM E2178 – Air Permeance of Materials
ASTM E2273 – EIFS Drainage Efficiency
ASTM E2357 – Air Barrier Assemblies
ASTM E2568 – Class PB EIFS
NFPA 268 – Radiant Heat Exposure
NFPA 285 – Multi-Story Fire Propagation
ICC-ES AC212 – Water-Resistive Barriers
ICC-ES AC235 – EIFS Drainage Assemblies

1.04 DESIGN REQUIREMENTS

- A. Design EIFS wall assemblies in accordance with the International Building Code and applicable local amendments.
- B. Do not use EIFS as a structural component or as a substrate for mechanically attached loads.
- C. Maximum allowable cladding deflection: $L/240$.
- D. EIFS finishes are categorized into finish tiers for bidding and pricing purposes. The finish tier designation establishes the basis of pricing for the work. Coordinate finish tiers with the Drawings and Finish Schedules.

1.05 PERFORMANCE REQUIREMENTS

A. Air and Water-Resistive Barrier



1. Product: Decoplast Air Water Barrier (AWB)
2. Air leakage ≤ 0.004 cfm/ft² @ 1.57 psf per ASTM E2178
3. Assembly air leakage ≤ 0.04 cfm/ft² per ASTM E2357
4. No water penetration per ASTM E331
5. Comply with ICC-ES AC212

B. EIFS Cladding

1. System classification: Class PB EIFS per ASTM E2568
2. Drainage efficiency ≥ 95 percent per ASTM E2273
3. Flame spread ≤ 25 ; smoke developed ≤ 450 per ASTM E84
4. Comply with NFPA 285 and NFPA 268 where required
5. Maintain fire-resistance ratings of tested assemblies per ASTM E119

1.06 SUBMITTALS

- A. Product data for all system components.
- B. Installation instructions and published details.
- C. ICC Evaluation Reports and test data.
- D. Installer qualifications.
- E. Warranty documentation.

1.07 QUALITY ASSURANCE

- A. Manufacturer: Minimum ten (10) years' experience manufacturing EIFS.
- B. Installer: Minimum three (3) years' experience installing EIFS of similar scope and complexity.

1.08 DELIVERY, STORAGE, AND HANDLING

Deliver materials in original sealed containers. Store materials off the ground and protect from moisture, freezing, direct sunlight, and temperatures exceeding manufacturer limits.

1.09 PROJECT CONDITIONS

Maintain ambient and substrate temperatures above **40°F (4°C)** during application and curing.

1.10 WARRANTY

Provide manufacturer's standard Decoplast EIFS warranty.

PART 2 – PRODUCTS

2.01 MANUFACTURER

A. Basis-of-Design Manufacturer:
Decoplast – Greenmaker Industries, West Hartford, Connecticut
Phone: 860-761-2830 | www.decoplast.com

B. Provide all EIFS and air- and water-resistive barrier components from the basis-of-design manufacturer.

2.02 AIR AND WATER-RESISTIVE BARRIER

- A. Decoplast Air Water Barrier (AWB): Fluid-applied air and water-resistive barrier.
- B. Accessories:
 - 1. Decoplast Sheathing and Transition Fabric
 - 2. Decoshield Self-Adhered Flashing Membrane

2.03 CONTINUOUS INSULATION

A. Expanded polystyrene (GPS) insulation board conforming to **ASTM C578 Type I** and **ASTM E2430**.

- 1. Nominal density: 1.0 pcf
- 2. Nominal thermal resistance: **R-5 per inch at 75°F**

2.04 INSULATION ATTACHMENT

A. Adhesives:

- 1. Decoplast FastGrip polyurethane spray foam adhesive
- 2. Decoplast polymer-modified cementitious adhesive

B. Apply adhesive in vertical ribbons to create a continuous drainage cavity.

2.05 BASE COATS

A. Cementitious base coats:

- 1. Decoplast Premium Dry Base Coat
- 2. Decoplast Liquid Base Coat Additive with Portland cement

B. Acrylic base coat:

- 1. Decoplast Razaplast

C. Waterproof base coat (where required):

- 1. Decoplast Groundcoat

2.06 REINFORCING MESH

- A. Provide fiberglass reinforcing mesh compatible with EIFS system materials, including standard, intermediate, and high-impact options, as indicated.
- B. Provide open-weave fiberglass reinforcing mesh compatible with Decoplast EIFS materials.
- C. Select reinforcing mesh type in accordance with indicated impact-resistance requirements and exposure conditions.
- D. Impact-resistance classifications are based on testing in accordance with ASTM E2486.
 - 1. Reinforcing Mesh Options:
 - A. Decoplast Standard Mesh – nominal 4.5 oz/yd². For areas requiring standard impact resistance.
 - B. Decoplast Standard Plus Mesh – nominal 6.0 oz/yd². For areas requiring standard impact resistance with increased basecoat build.
 - C. Decoplast Intermediate Mesh – nominal 11.2 oz/yd². For areas requiring high impact resistance.
 - D. Decoplast Armor Mat 15 – nominal 15 oz/yd². For areas requiring ultra-high impact resistance.

- E. Decoplast Armor Mat 20 – nominal 20 oz/yd². For areas requiring ultra-high impact resistance in locations subject to severe abuse or concentrated impact.
- 3. Decoplast Detail Mesh – nominal 4.2 oz/yd²
 - A. For back-wrapping, diagonal reinforcement at corners of openings, terminations, and complex architectural details.
- 4. Impact-Resistance Classification:
 - A. Reinforced base-coat assemblies utilizing the above reinforcing mesh options provide standard, medium, high, or ultra-high impact resistance classifications when evaluated in accordance with ASTM E2486.
- 5. Coordination: Indicate locations requiring enhanced impact resistance on the Drawings.
- 6. Ultra-high impact resistance reinforcement is typically used at ground-level elevations and other areas subject to increased abuse.

2.07 FINISH

A. General:

Provide EIFS finish materials manufactured by Decoplast and compatible with the specified system. Final selection of finish appearance is determined by finish tier designation and Drawings.

- 1. Finish Tiers: Basis of Pricing:
 - A. **Tier 1 – Acrylic Textured Finishes:** Factory-mixed DPR acrylic EIFS finishes with uniform texture applied by trowel or spray. Includes smooth, fine, medium, and coarse textures.
 - B. **Tier 2 – Elastomeric Textured Finishes:** Flexible acrylic or elastomeric EIFS finishes designed to accommodate increased movement and provide enhanced crack-bridging capability compared to standard acrylic textured finishes.
 - C. **Tier 3 – Silicone-Enhanced Hydrophobic Textured Finishes:** EIFS finishes incorporating silicone-enhanced polymers to improve water repellency, dirt resistance, and long-term color stability compared to standard acrylic finishes.
 - D. **Tier 4 – Specialty Architectural Finishes:** EIFS finishes incorporating aggregates, patterns, or enhanced aesthetics beyond standard textured finishes, including specialty architectural or decorative finishes.
 - E. **Tier 5 – Simulated Masonry or Veneer Finishes:** EIFS finishes designed to replicate the appearance of brick, stone, wood, or other masonry or veneer materials, including specialty veneer-style finish systems.
- 2. EIFS finishes incorporating decorative aggregates, patterns, or enhanced architectural aesthetics beyond textured finishes.
- 3. Finish tiers indicated on the Drawings establish the basis of pricing for EIFS finishes.
 - A. Color and Texture Selection:
- 4. Select color, texture, and pattern from manufacturer's standard offerings and indicate on Drawings or Finish Schedule.

2.08 ACCESSORIES

PVC EIFS accessories, including starter tracks, drip edges, corner beads, expansion profiles, and termination profiles. Accessories shall be manufactured from rigid PVC conforming to ASTM D4216, with dimensional stability, impact resistance, and weatherability suitable for exterior cladding applications.

PART 3 – EXECUTION

3.01 EXAMINATION

Verify substrates are plumb, smooth, dry, and structurally sound before proceeding.

3.02 SURFACE PREPARATION

Remove contaminants. Repair substrate irregularities. Seal fasteners, joints, and penetrations using approved AWB accessories.

3.03 INSTALLATION

Install air and water-resistive barrier, insulation, base coat, reinforcement, and finish in accordance with manufacturer instructions and approved details.

3.04 JOINTS AND FLASHING

Install flashing and sealant joints at openings, penetrations, and terminations.

EIFS require **positive separation** from soil.

1. 6–8 inches above finished grade
2. 2 inches minimum above paved surfaces
3. No contact with mulch, landscaping, or snow accumulation zones

3.05 PROTECTION

Protect installed work from weather, moisture, and damage.

END OF SECTION

ATTENTION/IMPORTANT INFORMATION

Greenmaker Industries products are intended **exclusively** for use by **qualified professional contractors** as components within properly designed construction assemblies. These products **shall not** be used, installed, or handled by unqualified persons under any circumstances. All installation must conform strictly to project specifications and the most current written instructions issued by Greenmaker Industries. **Any deviation is undertaken entirely at the user's risk.** Greenmaker Industries **expressly disclaims all liability** for improper installation; use within assemblies that are inadequately or incorrectly designed; use by unqualified individuals; failure or nonperformance of adjacent materials or building components; and any jobsite conditions, environmental factors, or construction activities beyond its direct control. **No responsibility is assumed for field conditions, contractor practices, or third-party inspections.**

Misuse, misapplication, or incorporation of Greenmaker Industries products into an improperly designed or constructed assembly **may result in significant damage** to the products, the building envelope, structural components, or the overall building system. Such consequences are solely the responsibility of the installer, contractor, or design professional.

Greenmaker Industries **disclaims all warranties, express or implied**, including but not limited to any implied warranties of merchantability or fitness for a particular purpose. Only explicit limited written warranties issued directly by Greenmaker Industries to building owners—under its current warranty programs—shall apply. These programs may be modified, suspended, or terminated **without prior notice**, and no verbal or field-issued assurances shall create or modify warranty rights.

For the most current and authoritative information regarding product installation, mixing, cleanup, technical specifications, limitations, and warranty provisions, consult the official Greenmaker Industries website and published technical documentation. **Reliance on outdated, third-party, or unofficial information is strictly at the user's own risk.**

Product Information

Decoplast Air Water Resistive Class III

Vapor Permeable Barrier



DESCRIPTION:

The Decoplast Air Water Resistive Barrier is a flexible, **single-component Class III fluid-applied**, polymer-based, non-cementitious membrane. It features low-temperature application properties, effectively resists water penetration, eliminates air infiltration, and allows vapor permeability for balanced moisture management. Designed for vertical exterior, above-grade walls, this durable waterproof coating is compatible with various substrates and can be applied using a sprayer, roller, brush, or trowel. It offers reliable secondary moisture protection for a wide variety of wall claddings such as EIFS, DEFS, stucco*, brick, siding, and metal panels. Recognized under ICC ESR-3428, it ensures long-lasting performance in modern construction projects.

Available in two versions depending on the substrate:

Decoplast Air Water Resistive Barrier TEXTURE (GRAY) - Texture is applied using a trowel, roller, or texture spray equipment.

Decoplast Air Water Resistive Barrier SMOOTH (GREEN) - Smooth is applied by roller, texture spray equipment, or airless spray equipment.

ICC ESR- evaluation report confirms compliance with IBC, IRC and IECC requirements. Approved for projects requiring ABAA specifications and quality assurance. <1% of allowable air leakage tested per ASTM E2357, easily meets air tightness requirements per ASHRAE 189.1 and 90.1 and ABAA. One component, easy to apply formulation that meets low VOC requirements in all 50 states. Nonflammable as applied. Will not dry out or crack due to loss of oil/plasticizer over time. Cleans up with water; solvents and citrus based cleaners are not required. Low temperature application down to 25°F (-4°C).

FEATURES	BENEFITS
Fluid Applied	Easy to use. One component. Ensures a continuous air and water-resistant film with antimicrobial properties
Vapor Permeable	Rated Class III medium permeability. Minimizes risk of condensation
Building Code Compliance	Meets ICC-ES AC212. Passed Miami Dade HVHZ TAS 201, 202, and 203 High Velocity Hurricane Testing
Ensures a continuous film barrier across transitions	No need for multiple products
Structural Integrity	No air or water leakage between sheathing or block assembly under air pressure loads; does not tear or blow off the wall with wind.
Cold Weather Application	25 °F (-4 °C) and rising
Resists UV Degradation / Added Durability	Allows flexible construction scheduling with a 180-day outdoor exposure rating.

PRODUCT CONSIDERATIONS AND JOB CONDITIONS

The application range is at ambient temperatures between 25°F (-4°C) and 100 F (38°C) during application and drying time. Do not apply if substrate or ambient temperature is less than 25°F (-4°C) or if temperature will go below 25°F (-4°C) at any time during the application or drying period.

Expect extended dry time for cold temperature applications less than 40°F (4°C) down to 25°F (-4°C). Final air/water-resistive properties and film durability rely on temperatures rising above freezing (32°F/0°C).

Walls should be capped to prevent moisture and precipitation from entering walls during construction.

Dry/cure times of adhered EPS insulation board installed over Decoplast Air Water Barrier may be prolonged, particularly in cool and/or damp weather. Non-cementitious adhesives are not recommended for EPS insulation board attachment to Decoplast Air Water Barrier. Proper application is the responsibility of the user.

A minimum of two 10-mil wet coats of Decoplast Air Water Barrier is required over OSB, Plywood and CMU. Decoplast Air Water Barrier may be sprayed to a 20-mil thickness over OSB, plywood and CMU in one wet application. Back rolling may be needed to produce a pinhole-free film.

Ensure all fasteners are spotted with Decoplast Air Water Barrier

Prior to application of claddings, visually inspect the Decoplast Air Water Barrier for voids, pinholes, surface deficiencies, etc. Repair deficiencies and areas that are not intact. Apply additional Decoplast Air Water Barrier as necessary, so the barrier is free of voids, pinholes, etc. All sheathing joints, terminations, inside and outside corners must be reinforced with Sheathing Fabric embedded in Decoplast Air Water Barrier or DecoShield transition membrane.

Treat expansion joints with DecoShield transition membrane, provide sufficient slack at joint to allow for movement.

USES / SUBSTRATES:

- Core treated exterior grade gypsum sheathing meeting ASTM C 1396 (formerly C 79).
- Core treated exterior grade gypsum sheathing with fiberglass mat facers meeting ASTM C 1177.
- Exterior fiber reinforced cement or calcium silicate boards.
- APA Exterior or Exposure 1 Rated Plywood, Grade C-D or better, nominal 1/2 in (12.7 mm) minimum, installed with the C face out.
- APA Exterior Grade Fire Retardant Treated Plywood, nominal 1/2 in (12.7 mm) minimum, installed with the C face out.
- APA Exposure 1 Rated OSB, nominal 1/2 in (12.7 mm) minimum. Note: NTX- Texture is not recommended for the field of wall application over OSB.
- Unpainted, unsealed concrete and CMU.

Approximate Coverage:

Glass-Mat Gypsum Sheathing:

450-500 ft² (42-51 m²) per pail when applied 10 -12 WFT mils

Plywood Sheathing:

550 - 600 ft² (51-56m²) per pail when applied 10 -12 WFT

OSB Sheathing:

350-550 ft² (32-51m²) per pail when applied 12 - 16 WFT

Cement Board:

450 - 500 ft² (42-51 m²)) WHEN applied 10 mils WFT

CMU: (textured)

100 - 300 ft² (9.3 - 28m²) per pail when applied **IN TWO COATS** at 10 - 30 wet mils per coat.

Concrete: (textured) apply one coat at minimum 10 mils WFT.

Coverage may vary depending on substrate condition, application method/technique, waste factor, and final film thickness. CMU will generally be on the lower end of the coverage range.

When used to embed Decoplast Sheathing Fabric to treat the sheathing joints and rough openings: (coverage may vary based on condition)

4" Sheathing Fabric—625 ft (190.5m) / pail

9" Sheathing Fabric—275 ft (87m) / pail
Roll or spray and back roll for optimum coverage. Actual results may vary depending on surface porosity, roughness, and other factors

Drying Time: Drying time depends upon the air temperature, wind conditions, and relative humidity. Under average



drying conditions {70°F (21°C). 55% RH, material should be dry to the touch within 2 hours and cure in 6—10 hours.

Packaging

5 gallon (19L) 52.5 lbs. / 23.8 kg per pail

Shelf Life

24 months, if properly stored and sealed.

SURFACE PREPARATION:

Sheathing board gaps shall not exceed 1/4 in (6.4 mm) and the surface must be flat within 1/4 in (6.4 mm) in any 4 ft (1.2 m) radius.

CMU mortar joints shall be struck flush (tooled mortar joints and heavily textured CMU [not split faced] shall be skimmed with Decoplast Base Coat prior to application of the Decoplast Air Water Barrier. CMU shall be clean, unpainted, and free of efflorescence. All substrates shall be dry and free of foreign materials such as dirt, dust, oil, paint, wax, water repellants or other materials that inhibit adhesion.

Concrete: Shall have cured a minimum of 28 days prior to application of the Decoplast Air Water Barrier. If efflorescence, form release agents or curing compounds are present on the concrete surface, the surface shall be thoroughly washed with muriatic acid and flushed to remove residual acid. All projections shall be removed, and small voids filled with Decoplast Base Coat mixture (see product data sheets for mixing and application).

All substrate transitions and gaps between openings and penetration components such as windows, doors, electrical boxes, etc., shall be treated with Decoplast Air Water Barrier and reinforced with Decoplast Sheathing Fabric or DecoShield transition fabric. Any sealants used shall be tested for compatibility and comply with ASTM C 920.

MIXING: Material is ready for use after an initial spin-up using a drill with paddle mixer.

APPLICATION:

For best results apply between 40° and 100°F (4° and 38°C) during application and drying period. Apply only to fully cured, structurally sound, clean, dry, properly prepared, frost-free surfaces.

Apply Decoplast Air and Water Barrier to the prepared substrate using a 1/2 or 3/4 inch (13 or 19mm) nap roller or airless spray equipment. The suggested tip size is .031. Pressure and tip size may vary depending on the equipment used. It is recommended to back roll spray applications over OSB and CMU substrates. Apply uniformly to achieve a VOID and PINHOLE free surface.

Cold Temperature Application: Decoplast Air Water Barrier can be applied at temperatures less than 40° down to 25°F (4° down to -3.8°C), provided certain conditions are met.

1. Material is pre-conditioned to 65°-75°F (18°-24°C)
2. Substrate and ambient temperatures are minimum 25°F (3.8°C) and rising at the time of application and do not fall below 25°F (-3.8°C) until material is fully dry.
3. Materials are installed over standard sheathing substrates – glass mat gypsum, plywood, or OSB.
4. Substrate surfaces are frost-free, dry and remain dry.
5. Materials are installed at a wet film thickness of no greater than 10-12 WFT
6. Materials are installed in dry weather and protected from rain or other precipitation for at least 24 hours and relative humidity (RH) remains at or below 50%.
7. IMPORTANT: Final water-resistive barrier and air barrier material properties, and film toughness, depending on temperatures rising above freezing.

Spray Application Method: Airless Spray Equipment Only

Recommended Specs: High-pressure airless sprayer (e.g., Graco 733, 833, or similar) Tip size: 0.031"–0.035" Minimum pressure: 3000 psi Hose: 3/8" or 1/2" diameter, rated for high pressure

Apply Decoplast Sheathing Fabric on sheathing joints – gaps in sheathing up to 1/4 in. (6mm) wide – Open holes up to 1 in. (25mm) across – back flanges of flashings and track – Immediately place the Decoplast Sheathing Fabric centered in the wet Decoplast Air Water Barrier and embed it. Do not let material skin over before applying Sheathing Fabric. After the Sheathing Fabric is completely embedded, apply Decoplast Air Water Barrier over the entire outer surface. Normal irregularities in the profile will occur in OSB, plywood, cement board and CMU, therefore a variation in dry film thickness is normal. The transparency of the dry Decoplast Air Water Barrier is not an indication of the thickness. For specific installation details refer to Decoplast Air Water Resistive Barrier Details.

CAUTIONS & LIMITATIONS:

Shall not be used below grade or on surfaces that will be subjected to water immersion. Should not be used to treat holes or sheathing joints exceeding 1/4 in (6.4 mm). When used beneath Portland cement stucco or adhered stone products, paper backed lath shall be installed over Decoplast Air Water Barrier as a slip sheet. Product can be exposed to weather for up to 180 days to provide sufficient time for installation of the cladding. Inspect the surface for any damage, cracks, voids or other detrimental conditions and repair prior to installation of the cladding.

CLEAN UP: Clean tools and equipment with water while product is still wet.

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

LIMITED WARRANTY

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Product Information

Decoplast Air Water Resistive Class III

Vapor Permeable Barrier



Technical Data

Report	Test Method	Test Criteria	Test Result
% Solids (by Volume)	Calculation	N/A	59%
Rate of Air Leakage	ASTM E283 / TAS 202	0.06 cfm/ft ² max.	@ 1.57 psf Pass <0.01 cfm/ft ² @ 6.24 psf Pass <0.01 cfm/ft ²
Air Permeance of Building Materials	ASTM E2178	<0.02 L/S/m ² @ 75 Pa	Pass
Air Leakage of Air Barrier Assembly	ASTM E2357	< 0.2 L/s m ² @75 Pa < 0,04 cfm/ft ² @ 1.57 psf	Pass
Water Resistance	ASTM E2570 / ASTM D2247	No deleterious effects such as cracking or crazing	Pass – No deleterious effects
Water Vapor Permeability	ASTM E96 Method B / ASTM 2570	Measure	11.34 perms
Surface Burning	ASTM E84	Flame Spread: <25 Smoke Developed: <450	Flame Spread: 0 Smoke Developed: 5
Elongation	ASTM D412	N/A	432%
Tensile Strength	ASTM D412	N/A	328 psi
Tensile Strength	ASTM E2570/C297	>15 psi	Densglass Gold – Pass Decoshield Fabric - Pass Bottom Track – Pass Flashing material - Pass
Water Penetration Resistance	ASTM E331	15% of Positive Design Pressure at 22.5 psf - No leakage	Pass – No leakage
Pull Off Adhesion Strength	ASTM D7234	>15 psi	163 psi Concrete substrate
Low Temperature Flexibility	ASTM D522	N/A	No cracking or visible deleterious effects
Freeze Thaw Resistance	ASTM E2570 / E2485	No delamination or surface changes such as cracking or crazing	Pass – No delamination or surface changes
Adhesion to Substrates	ASTM E2570/C297	> 15 psi	>15 psi over glass mat gypsum sheathing >50 psi over, CMU, OSB & Plywood Sheathing
Mold Resistance	ASTM D3273	No mold growth after 28 days	Pass
Accelerated Weathering / Ultraviolet Light Exposure / Hydrostatic Pressure	ASTM E2570 / AATCC 127 (modified)	No cracking of the coating or bond failure between the WRB and substrate: no water penetration on the plane of the exterior facing side of the substrate	Pass – No deleterious effects or any sign of water penetration
Fire Performance	NFPA 285	Complies with acceptance criteria	Pass
Building Code Compliance	Compliance with the following codes: 2024, 2021, 2018, 2015, 2012 and 2009 International Building Code® (IBC) n 2024, 2021, 2018, 2015, 2012 and 2009 International Residential Code® (IRC) n 2024, 2021, 2018, 2015, 2012 and 2009 International Energy Conservation Code® (IECC). Refer to ICC-ESR 3428		
VOC Compliance	Product complies with US EPA (40 CFR 59) and South Coast AQMD (Rule 1113) VOC emission standards for Building Envelope Coating as the VOC content is less than 50 g/L		

ATTENTION/IMPORTANT

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VER 1B-6/2025/DECO/AWB

Product Information

Sheathing and Transition Fabric



DESCRIPTION:

Reinforced, non-woven polyester scrim provides sheathing joint, rough opening and trim and flashing transition reinforcement designed for use with Decoplast Air and Water Barriers. Tested in accordance with ICC-ES Acceptance Criteria AC212 for water resistive barrier coatings and ASTM E2357 for air barrier assemblies.

CHARACTERISTICS / ADVANTAGES

Multiple widths for different applications. Lightweight, flexible and easy to handle and cut. When used with Decoplast Air and Water Resistive Barriers functions as a flexible flashing material.

USES:

For above grade applications with Decoplast Air Water Resistant Barrier to reinforce sheathing joints up to ¼", for reinforcing rough openings, and flashing and trim transitions.

PRODUCT INFORMATION

Packaging: Comes in 3 sizes. 4" x 180' Roll – 18 Rolls/Case / 6" x 180' Roll – 12 rolls/case / 9" x 180' – 12 Rolls/case

Properties: 2.45 oz/yd2 (83g/m²)

Shelf Life: 24 months, if properly stored in original container.

Storage: Store in a dry area, between 50°F (10°C) and 85°F (29°C). Protect from extreme heat, moisture, cold and direct sunlight.

APPLICATION:

Flashing Rough Openings: Use proper width to ensure full opening coverage plus 2-inch overlap onto face of sheathing. Cut Decoplast Sheathing and Transition Fabric to desired size. Apply a liberal amount of Decoplast Air/Water Resistive Barrier to the rough opening and out onto the substrate face. Immediately embed fabric and brush, roll, or trowel to ensure complete saturation. An additional AWB barrier may be necessary to ensure a complete, void and pinhole-free membrane. Extend fabric a minimum 2" onto the exterior wall. Reference air/water-resistive barrier published product data sheet and details for step-by-step application details.

Over Trim and Flashing Transitions: Use 4" fabric. Apply a generous amount of Decoplast Air/Water Resistive Barrier to the trim or flashing transition onto the substrate. Immediately embed fabric and ensure complete saturation. An additional AWB barrier may be necessary to ensure a complete, void and pinhole-free membrane. Extend fabric a minimum 2" onto the exterior wall. Reference air/water-resistive barrier published product data sheet and details for step-by-step application details.

Sheathing Joint Reinforcement: Precoat sheathing joints, inside and outside corners as well and check cracks that may exist in plywood or OSB substrates including knot holes with Decoplast Air/Water Resistive Barrier. Immediately place and center Sheathing and Transition Fabric over wet AWB barrier. Ensure fabric extends evenly on both sides of the sheathing joint. Completely saturate fabric with Decoplast AWB material. Lap fabric a minimum of 2 ½" (63 mm) at intersections. If using roller, brush or trowel application, allow to dry to the touch before applying air/water-resistive barrier to the entire wall surface. If spraying, "wet on wet" application is acceptable. Note: Sheathing and Transition Fabric can be used to treat sheathing joints up to ¼" wide but is not recommended for use over expansion joints.

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VER 1A-2025/DECO/ST-REIN

Product Information

Graphite Polystyrene (GPS) Insulation Board



DESCRIPTION:

Graphite Polystyrene (GPS) Insulation Board also known as graphite-enhanced expanded polystyrene (e.g., Neopor® by BASF), is a lightweight, rigid, closed-cell foam plastic insulation material. **GPS is an advanced variant of traditional EPS**, infused with high-purity graphite particles that reflect radiant heat, providing superior thermal performance. Like standard EPS in EIFS, GPS boards attach to the substrate (via adhesive, mechanical fasteners, or both), then cover with a reinforced base coat (typically polymer-modified cementitious material embedded with fiberglass mesh) and a textured protective finish coat. GPS is increasingly preferred in EIFS for its higher energy efficiency, allowing thinner walls to achieve the same or better R-values, while maintaining compatibility with drainage systems and decorative finishes.



KEY CHARACTERISTICS OF GPS FOR EIFS:

- **Density** — Typically equivalent to Type I or II (nominal 1.0–1.25 lb/ft³ or ~16–20 kg/m³), with graphite infusion for improved properties without significantly increasing density.
- **Form** — Molded flat boards, commonly 2 ft x 4 ft (610 mm x 1220 mm) or larger (up to 4 ft x 8 ft), with thicknesses ranging from 1–6 inches (25–152 mm) or more, depending on system approval.
- **Properties** — Closed-cell structure for low water absorption; aged/conditioned for stability; flame-retardant additive; distinctive gray/silver color due to graphite; higher R-value stability, especially in colder temperatures; recyclable and free of CFCs/HCFs.
- **Benefits in EIFS** — Superior thermal performance (approximately R-4.7 to R-5.0+ per inch at standard temperatures, increasing in colder conditions); **up to 20–30% better insulation than standard EPS**; lightweight and easy to cut/shape for architectural details; cost-effective for meeting stringent energy codes with thinner profiles.

BASIC STANDARDS FOR GPS IN EIFS: GPS used in EIFS must meet requirements tailored for exterior exposure, adhesion, and long-term performance, often building on EPS standards with manufacturer-specific approvals.

- **ASTM E2430/E2430M** – The primary standard: Standard Specification for Expanded Polystyrene (EPS) Thermal Insulation Boards for Use in Exterior Insulation and Finish Systems (EIFS) and EIFS with Drainage. It covers flat, uncoated EPS boards, including requirements for virgin material content, dimensional tolerances (length, width, thickness, edge trueness, flatness, squareness), aging/conditioning for stability, low moisture content, and other physical properties specific to EIFS applications.
- **ASTM C578** – Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation. EIFS-grade EPS typically complies with Type I requirements (minimum density 0.90 pcf, compressive strength ≥10 psi, etc.), as a baseline.
- **Additional considerations:** Compliance with building codes (e.g., IBC, IRC, IECC for continuous insulation); system-specific approvals from manufacturers and guidelines from the EIFS Industry Members Association (EIMA).

Note that not all EPS is suitable for EIFS—only boards manufactured and certified to these standards (often labeled accordingly) should be used to avoid issues like poor adhesion or deformation

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VER 1A-2025/DECO/GPS GENERAL REQUIREMENTS

Product Information

Decoplast Reinforcing Meshes



DESCRIPTION:

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

FEATURES:

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

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

TESTING AND IMPACT CLASSIFICATION:

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

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

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

SURFACE PREPARATION:

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

APPLICATION:

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

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

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

BASIC USES:

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

The following use guidelines are suggested:

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

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

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

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

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

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

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



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

SPECIAL CONDITIONS AND RECOMMENDATIONS:

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

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

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

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

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

INDUSTRY STANDARDS AND ADDITIONAL DESIGN IMPACT CONSIDERATIONS:

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

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

LIMITED WARRANTY

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

Health Precautions:

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

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

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

ATTENTION/IMPORTANT

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



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VER 1A-2025/DECO/MESH

Product Information

Premium Dry Base Coat & Adhesive



DESCRIPTION:

Decoplast Premium Dry Base Coat and Adhesive is a polymer-modified, cementitious mix used as an adhesive, base coat, and leveler. Supplied in 50 lb. (22.7 kg) bags, it mixes with water to create a high-performance, easy-to-apply solution for Decoplast Ci Exterior Insulation and Finish System (EIFS) and Direct Applied Finish System (DAFS) applications.

FEATURES:

Single Component	Ready to use, just add water. Mix only what you need.
Polymer Modified Technology	Good adhesion, improved durability, and enhanced freeze-thaw resistance.
Factory Blended	For quality control assurance and performance mix ratios
Vapor Permeable	Vapor permeable materials help control moisture levels within walls.
Environmentally Friendly	Bagged powder product. Less solid waste.
Water Based	Suitable for exterior or interior use.

TECHNICAL DATA:

Report	Test Method	Test Criteria	Test Results
Surface Burning	ASTM E84	< 25 Flame Spread < 450 Smoke Development	Pass
Water Vapor Transmission	ASTM E96	Report Value	Permeable (10.31 perms)
Adhesion (psi)	ASTM	Report Value	Gypsum Sheathing >30 Concrete > 100 EPS Board >15

ACCEPTABLE SUBSTRATES:

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

SURFACE PREPARATION

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

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

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

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

MIXING: Use clean equipment for mixing and preparation.

Add 5-6 quarts (4.7-5.7 L) of cool clean potable water to a 5-gal pail. Add half of the amount of Decoplast Premium Dry Basecoat & Adhesive and mix to a homogenous consistency using a heavy-duty 1/2 in. (13 mm) drill with a rust-free paddle at 400-500 rpm. Then add the remaining half and mix until consistent. 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 retempering after mixing the product. Do not exceed the maximum amount of water in mixed ratio. Basecoat & adhesive should be used immediately after mixing. Half batches may be mixed for convenience. Only Decoplast approved additives can be added to this product.

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

COVERAGE:

As an adhesive and standard mesh base coat: 55 - 75 ft² per bag (5.1-6.9 m²).

As an adhesive over sheathing or smooth concrete/masonry: 95 - 135 ft² (8.82 - 12.5 m²) per bag when using a 1/2" x 1/2" (13 mm x 13 mm) U notched trowel having a 2" (51 mm) spacing between notches.

As an adhesive over rough or uneven masonry: 30 - 45 ft² (2.8 - 4.2 m²) per bag, applied with a 5/8" x 5/8" (16 mm x 16 mm) square notched trowel having 5/8" spacing between notches.

As a base coat for standard mesh: 80 - 125 ft² (7.4 - 11.6 m²) per bag.

As a double-layer basecoat: to embed Standard Mesh and Ultra High Armor 20 High Impact Mesh 35-55 ft² (3.3-5.1 sq. m²)

As a skim coat: 90 - 135 ft² (8.4 - 12.5 m²) per bag depending on thickness desired.

Coverages vary depending on application technique and surface conditions.

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

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

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

Packaging: 50 lbs. (22.6 kg.) per bag

Color: Standard Grey or White

Shelf Life: 12 months if stored properly.

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



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

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

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

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

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

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LIMITED WARRANTY

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ATTENTION/IMPORTANT

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VER 1A-2025/DECO/PBCA

Product Information

DPR Acrylic Textured Finishes



DESCRIPTION:

A ready-mixed, acrylic-based exterior or interior textured wall finish. Decoplast DPR (dirt pick-up resistant) Textured finishes serve as a decorative and protective coating over properly prepared vertical, above-grade concrete, masonry, and plaster substrates. These finishes are also used in Decoplast Ci Exterior Insulation and Finish System (EIFS) and Decoplast Direct Applied Finish System (DAFS) applications.

TEXTURES:

Genova 1.0 Fine Sand	Taormina 1.0 Fine Swirl	Ispica Freestyle
Trieste 1.5 Med Sand	Graffiato 1.5 Medium Swirl	Calcare Limestone
San Remo 2.0 Coarse Sand	Graffiato 2.0 Coarse Swirl	Liscio Plaster Smooth

FEATURES:

DPR Polymer Technology	Higher resistance to dirt-pick up, algae and mildew.
Integral Color	Ready mixed, uniform color.
Moisture Resistance	Repels water and resists wind driven rain.
Vapor Permeable	Vapor permeable materials help control moisture levels within walls.
Water Based with	Safe, non-toxic; cleans up with water.
Low VOC	Suitable for interior use.

TECHNICAL DATA:

Report	Test Method	Test Criteria	Test Results
Surface Burning	ASTM E84	< 25 Flame Spread < 450 Smoke Development	Pass
Water Vapor Transmission	ASTM E96	28 Days	XX Perms
Accelerated Weathering	ASTM G 155	2000 Hours	No deleterious effects
Freeze Thaw Resistance	ASTM E2485	10 Cycles	No cracking, erosion or other changes
Mildew Resistance	ASTM D3273	No growth at 28 days	No growth
Salt Spray Resistance	ASTM B117	300 hours	Passed
Water Resistance	ASTM D2247	14 Days	Passed
Water Penetration	ASTM E331	No Water penetration 6.24 psi or 27.4 after 2 hours	Passed
Abrasion Resistance	ASTM D968	1000 liters sand	Passed
Tensile Adhesion (psi)	ASTM C297	No failure in EIFS adhesive, base coat or finish: min 15 psi	Glass mat gypsum Concrete
Fire Resistance	ASTM E 119	No effect of existing wall rating	Pass
VOC (g/l)	EPA Reference Test Method 24	US EPA, South Coast AQMD AND Greenseal Standard	Less than 50 g/l

COVERAGE:

Genova 1.0 Fine Sand: 140—165 ft² per pail (13-15.3 m²)

Trieste 1.5 Med Sand: 120—145 ft² per pail (11.1-13.5 m²)

San Remo 2.0 Coarse Sand: 75—100 ft² per pail (7-9.3 m²)

Taormina 1.0 Fine Swirl: 135—160 ft² per pail (12.5-14.9 m²)

Graffiato 1.5 Medium Swirl: 135—160 ft² per pail (12.5-14.9 m²)

Graffiato 2.0 Coarse: 75—100 ft² per pail (7-9.3 m²)

Ispica Freestyle: 40—130 ft² per pail (3.7-12.1 m²)

Calcare Limestone – 140 – 150 ft² per pail -2 Coats (13-13.93 m²)

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

Working Time: ¼ Hour

Set Time: 8 – 12 Hours

Dry Time: 24 – 72 hrs. at room temperature. Working and drying time will vary with temperature and humidity.

Packaging: 5-gallon pail 68.5 lbs. (19L) / 31 kg per pail.

Shelf Life: 24 months if stored properly.

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

SURFACE PREPARATION:

Concrete and masonry surfaces: Surfaces must be clean, dry, and free of frost, damage, and all bond-inhibiting materials, 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. Refer to ASTM D-4258 Standard Practice for Surface Cleaning of Concrete and ASTM D-4261 Standard Practice for Concrete and Masonry Units for complete details on methods of preparing cementitious substrates for coatings.

Decoplast Exterior Insulation and Finish Systems (EIFS): Surface must be free of all bond-inhibiting materials. For optimal performance Decoplast recommends priming cementitious substrates using the appropriate Decoplast primer, tinted to the same color as the finish coating prior to application of finish.

Gypsum wallboard surfaces: Wallboard must be taped and fasteners spotted with joint compound. Refer to ASTM C-840 Standard Specification for Application and Finishing Gypsum board and gypsum wallboard manufacturer's literature. Surface must be free of dust, dirt and other bond inhibiting materials. Surface must be primed with appropriate Decoplast Primer.

MIXING:

Mix with a clean, rust-free electric drill and paddle. A small amount of clean water may be added to aid workability. Limit addition of water to amount needed to achieve the finish texture.

APPLICATION:

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

Decoplast DPR Finish: Apply with a clean stainless-steel trowel to a rough thickness slightly more than the largest aggregate size. Use the trowel to pull the material down to a uniform thickness no greater than the largest aggregate size. Achieve final texture by floating with trowel in a figure eight motion: use a stainless-steel trowel or plastic float. Once applied, the working time is up to 20 minutes depending upon material, ambient temperatures and surface conditions. **Spray:** Apply Decoplast with a hand-held gravity feed hopper-type sprayer, texture spray pump machine, or other appropriate equipment. Apply an even coat to ensure full coverage of the surface. Spray application is not recommended for swirl texture finishes.

Decoplast Ispica: Apply with a clean, stainless-steel trowel. Application thickness varies depending on the pattern or texture desired, (maximum thickness not more than 3/16" [4.8 mm]). Texturing may be achieved by trowel, special roller or putty knife. Maintain uniform texture and minimum 1/16" (1.6 mm) thickness to help promote consistent color.

IMPORTANT: ALWAYS check color for proper match prior to application. If the color does not match, STOP-call your Decoplast representative. For best results always prime cementitious substrates. Apply coating in a continuous application, always working from a wet edge or architectural break to eliminate cold joints. Minor shade variations may occur from batch to batch refer to batch number on pail. Avoid installing separate batches side-by-side and avoid application in direct sunlight. Avoid installing new finish adjacent to weathered or aged finish. Decoplast will not be responsible for shade or color variation from batch to batch, variation caused by application or substrate deficiencies, or fading resulting from natural causes such as weather. Protect installed product from rain, freezing, and continuous high humidity until completely dry.

CURING/DRYING:

Decoplast DPR Finish typically dries within 24 hours under normal drying conditions [70°F (21°C), 50% RH]. Drying time varies depending on temperature/humidity and surface conditions. Thicker textures require extended drying time and protection.

CLEAN UP:

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

LIMITATIONS:

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

Use Dark Color Finishes only when surface and ambient temperatures are above 50°F (10°C) and below 100°F (38°C) during application and drying period. For Exterior Insulation and Finish Systems (EIFS), select colors with a lightness value of 20 or greater. Decoplast DPR Textured Finish is not suitable for use on horizontal surfaces exposed to weather, below grade applications, or surfaces immersed in water.

For Exterior Insulation and Finish Systems (EIFS), select colors with a lightness value of 20 or greater.

For Sloped surfaces: Refer to Decoplast details.

HEALTH AND SAFETY

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

WARNING!

Causes eye and skin irritation. Precautionary Statement Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Product Information

DPR Acrylic Textured Finishes



FIRST AID MEASURES

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 eyelids with fingers. Get immediate medical attention.

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

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

Spills: Collect with suitable absorbent material such as cotton rags.

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 for further health and safety information. Safety Data Sheet (SDS) is available at www.decoplast.com

LIMITED WARRANTY

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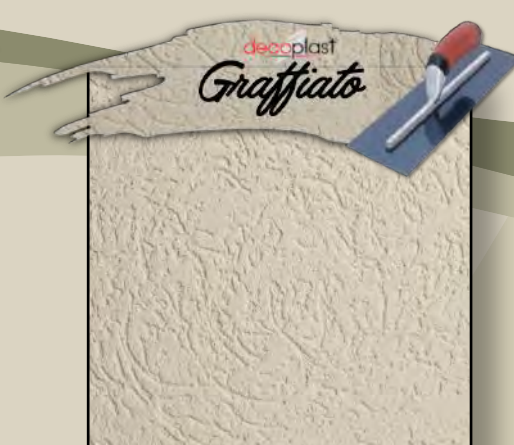
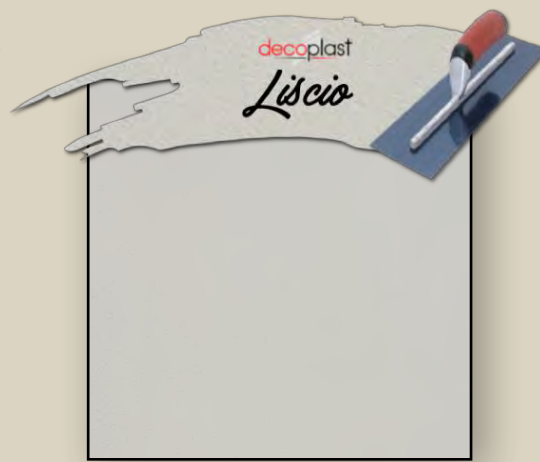
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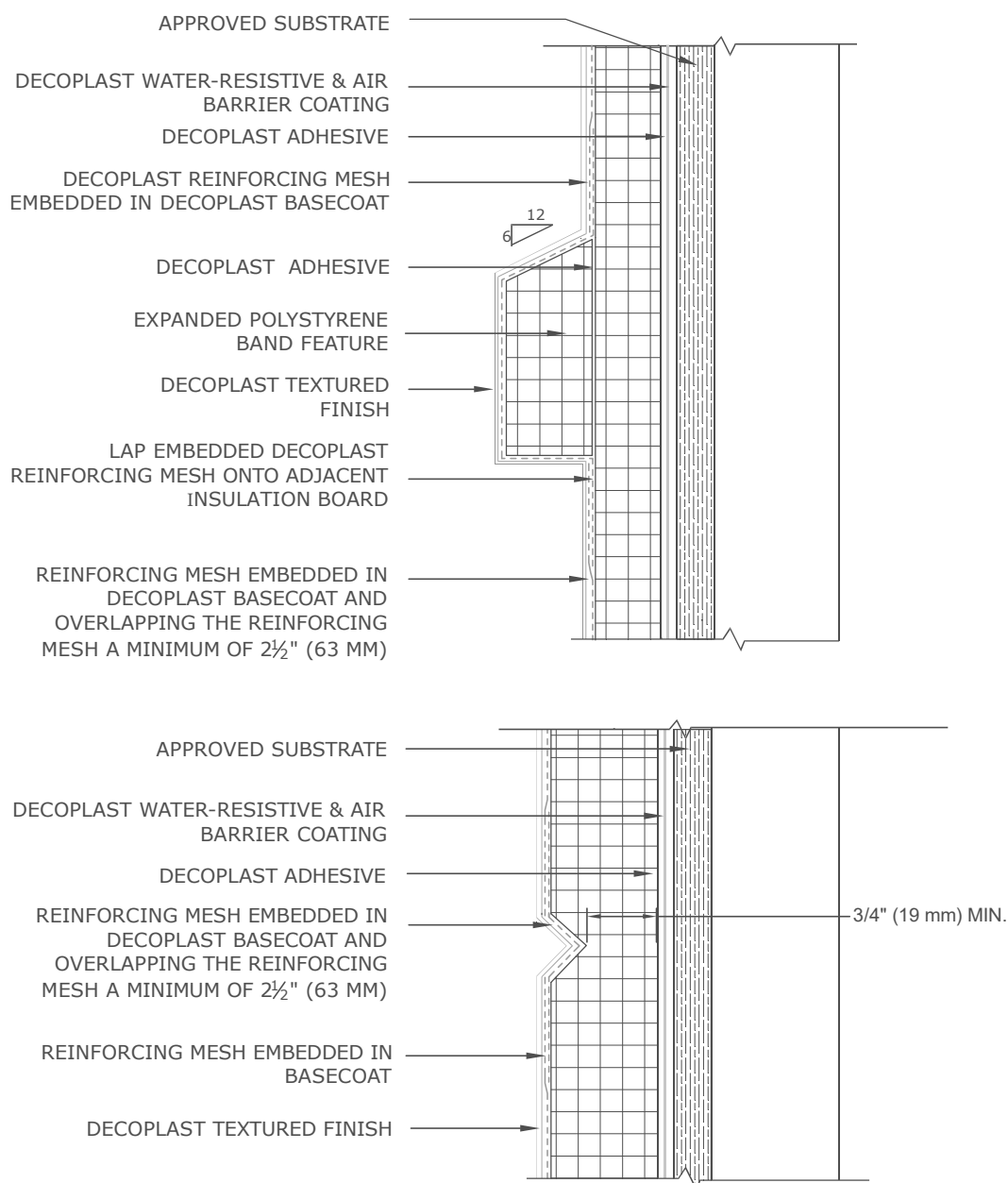
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VER 1-2025/DECO/DPRFIN

Standard Finish Textures



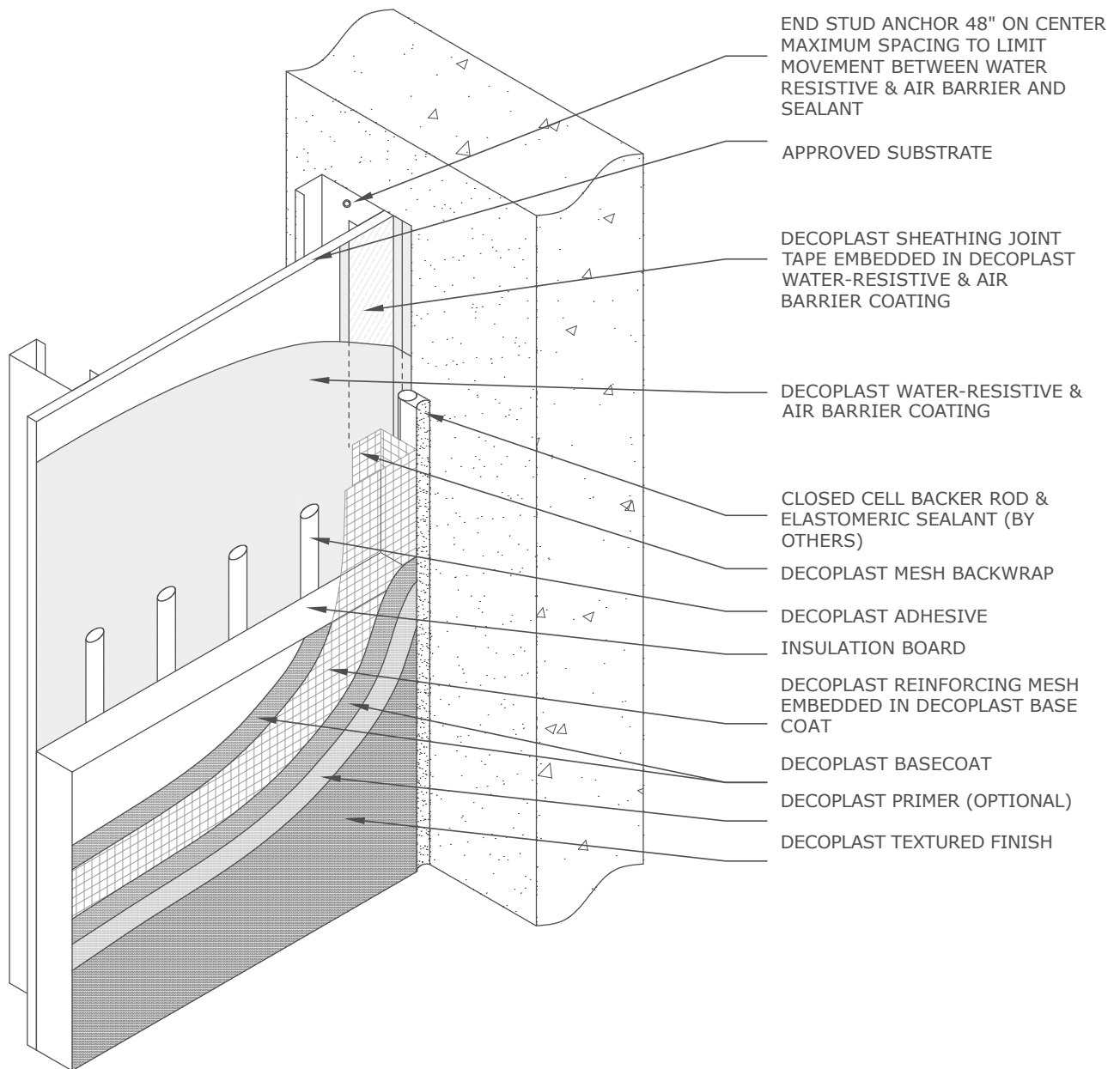


DDARS A1.01 AESTHETIC BAND AND REVEAL

DECOPLAST DDARS - 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.

Disclaimer: The design, specifications, and construction shall comply with all local building codes and standards. Decoplast installation guidelines are for general information and guidance only and Decoplast specifically disclaims any liability for the use of this design, and for design, engineering, or workmanship of any project. The assembly shall be designed to prevent condensation within the assembly. The designer and the user shall provide final drawings and specifications. Products shown other than those manufactured by Decoplast are shown for clarity of the Decoplast product only. Contact the manufacturer of such other products for installation instructions.



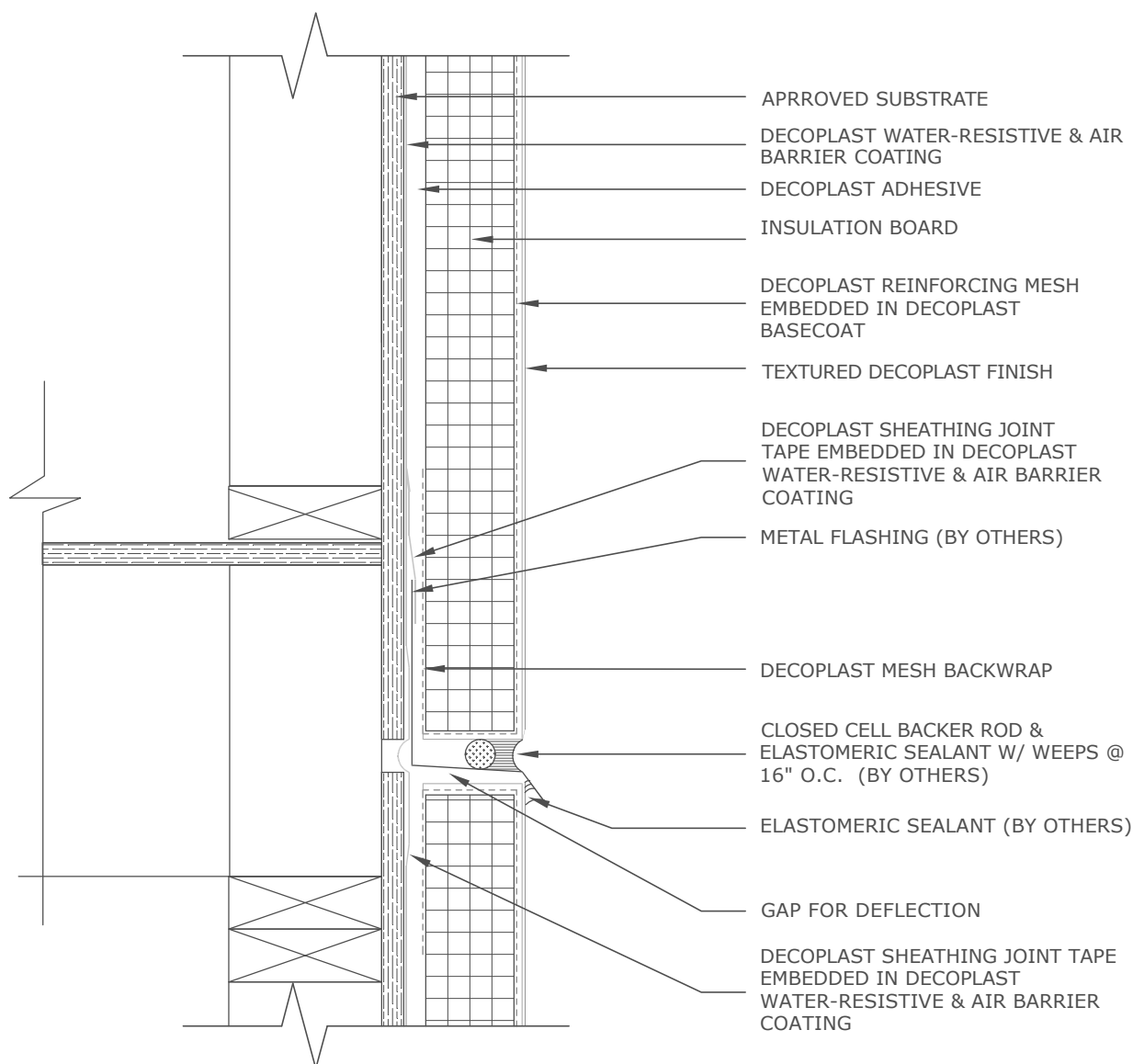
DDARS E1.01 INSIDE CORNER TERMINATION

DECOPLAST DDARS - 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.

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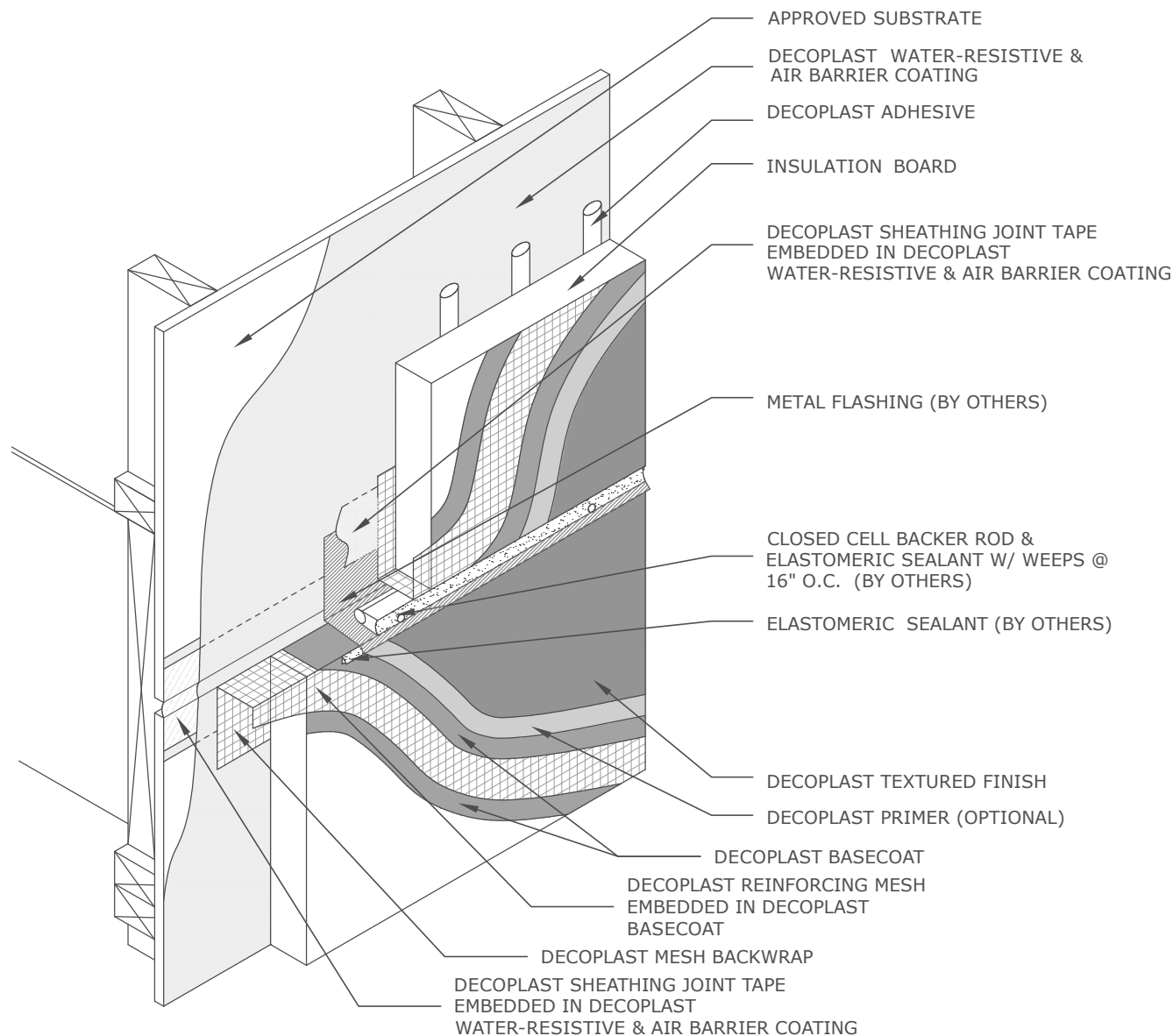
DDARS E1.05A EXPANSION JOINT WITH FLASHING AT FLOOR

DECOPLAST DDARS - 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.

Disclaimer: The design, specifications, and construction shall comply with all local building codes and standards. Decoplast installation guidelines are for general information and guidance only and Decoplast specifically disclaims any liability for the use of this design, and for design, engineering, or workmanship of any project. The assembly shall be designed to prevent condensation within the assembly. The designer and the user shall provide final drawings and specifications. Products shown other than those manufactured by Decoplast are shown for clarity of the Decoplast product only. Contact the manufacturer of such other products for installation instructions.



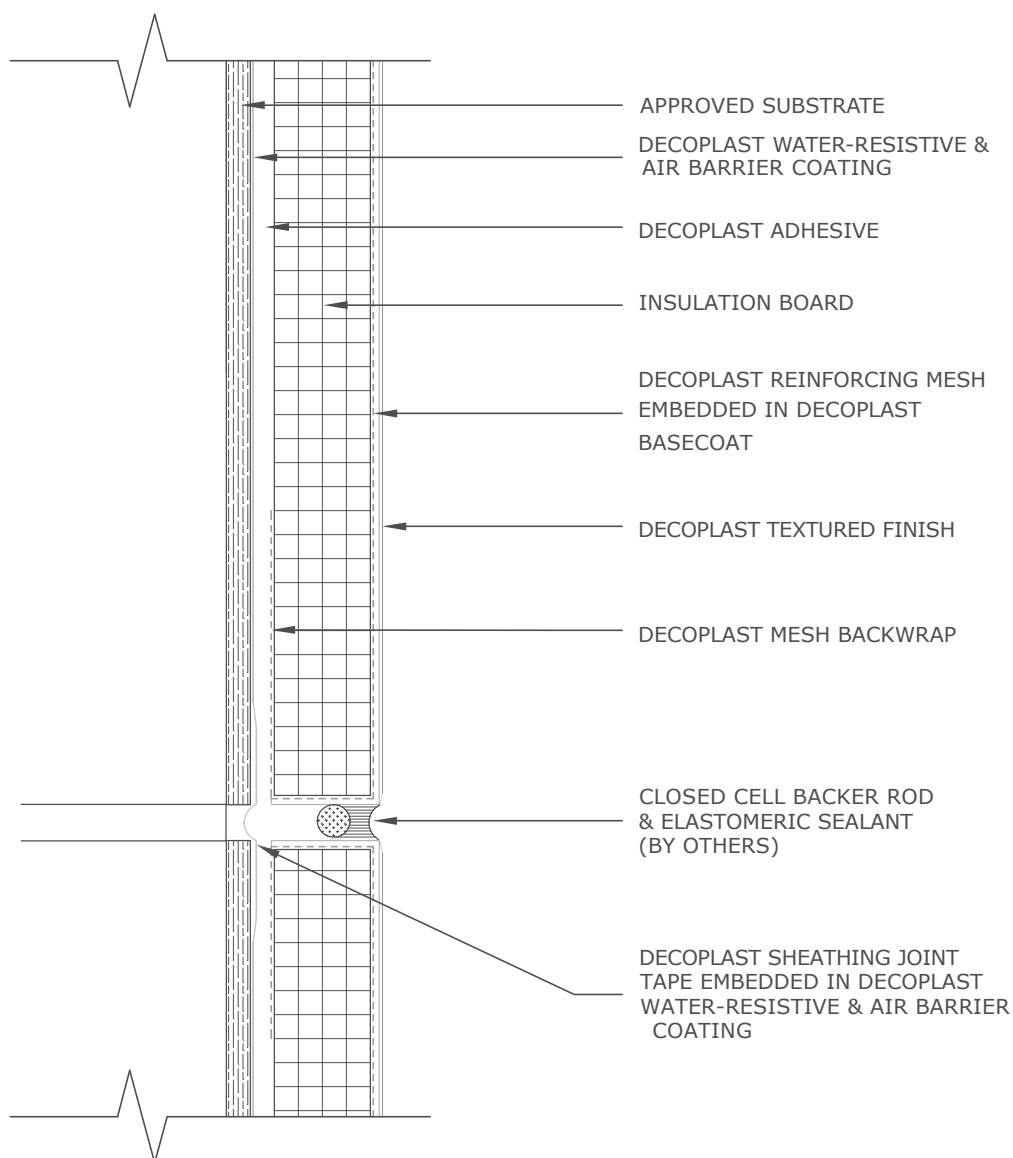
DDARS 1.05B EXPANSION JOINT WITH FLASHING AT FLOOR

DECOPLAST DDARS - 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.

Disclaimer: The design, specifications, and construction shall comply with all local building codes and standards. Decoplast installation guidelines are for general information and guidance only and Decoplast specifically disclaims any liability for the use of this design, and for design, engineering, or workmanship of any project. The assembly shall be designed to prevent condensation within the assembly. The designer and the user shall provide final drawings and specifications. Products shown other than those manufactured by Decoplast are shown for clarity of the Decoplast product only. Contact the manufacturer of such other products for installation instructions.

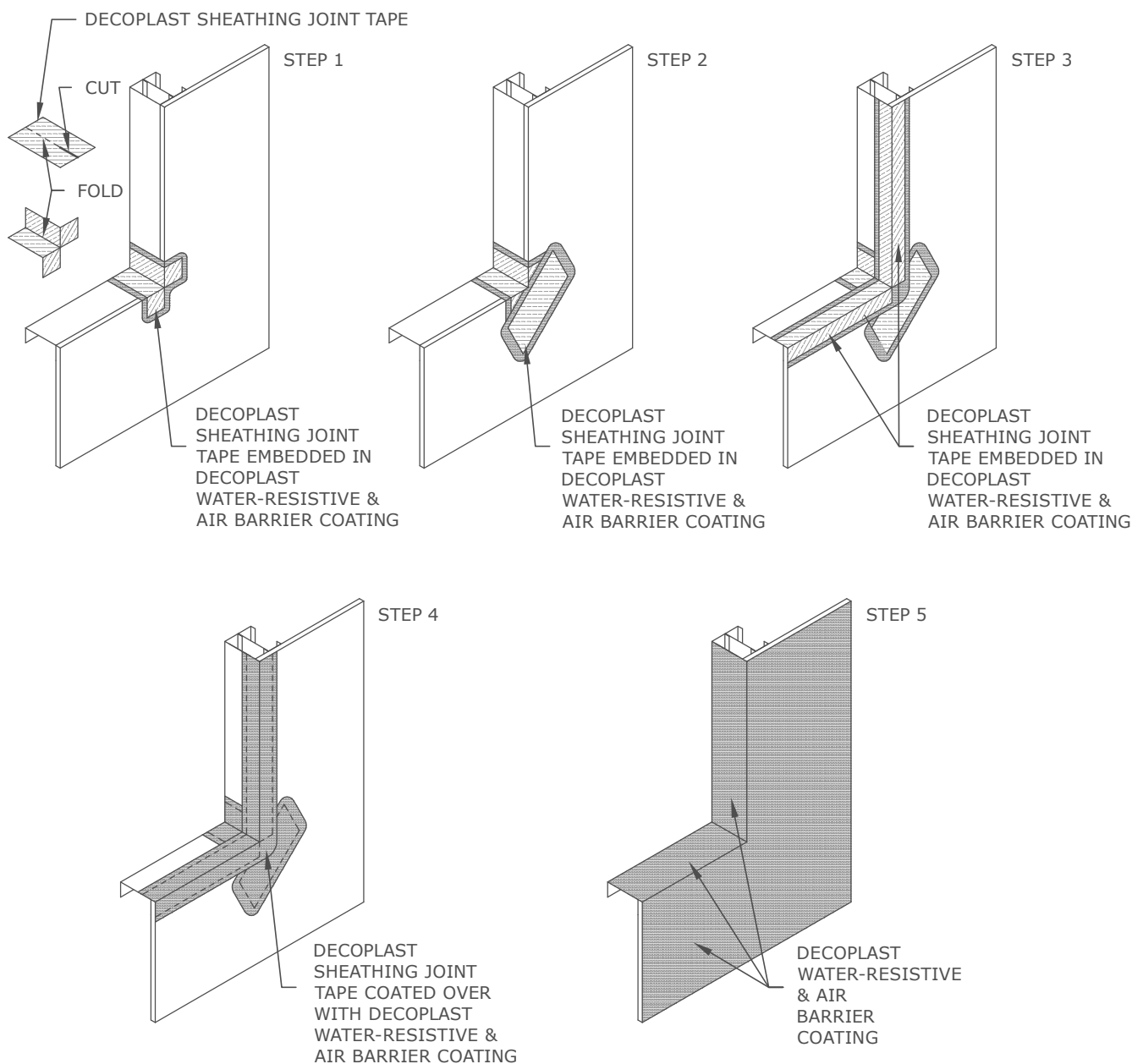


DDARS E1.07 HORIZONTAL EXPANSION JOINT

DECOPLAST DDARS - 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.

Disclaimer: The design, specifications, and construction shall comply with all local building codes and standards. Decoplast installation guidelines are for general information and guidance only and Decoplast specifically disclaims any liability for the use of this design, and for design, engineering, or workmanship of any project. The assembly shall be designed to prevent condensation within the assembly. The designer and the user shall provide final drawings and specifications. Products shown other than those manufactured by Decoplast are shown for clarity of the Decoplast product only. Contact the manufacturer of such other products for installation instructions.



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

DECOPLAST DDARS - 6/1/2016

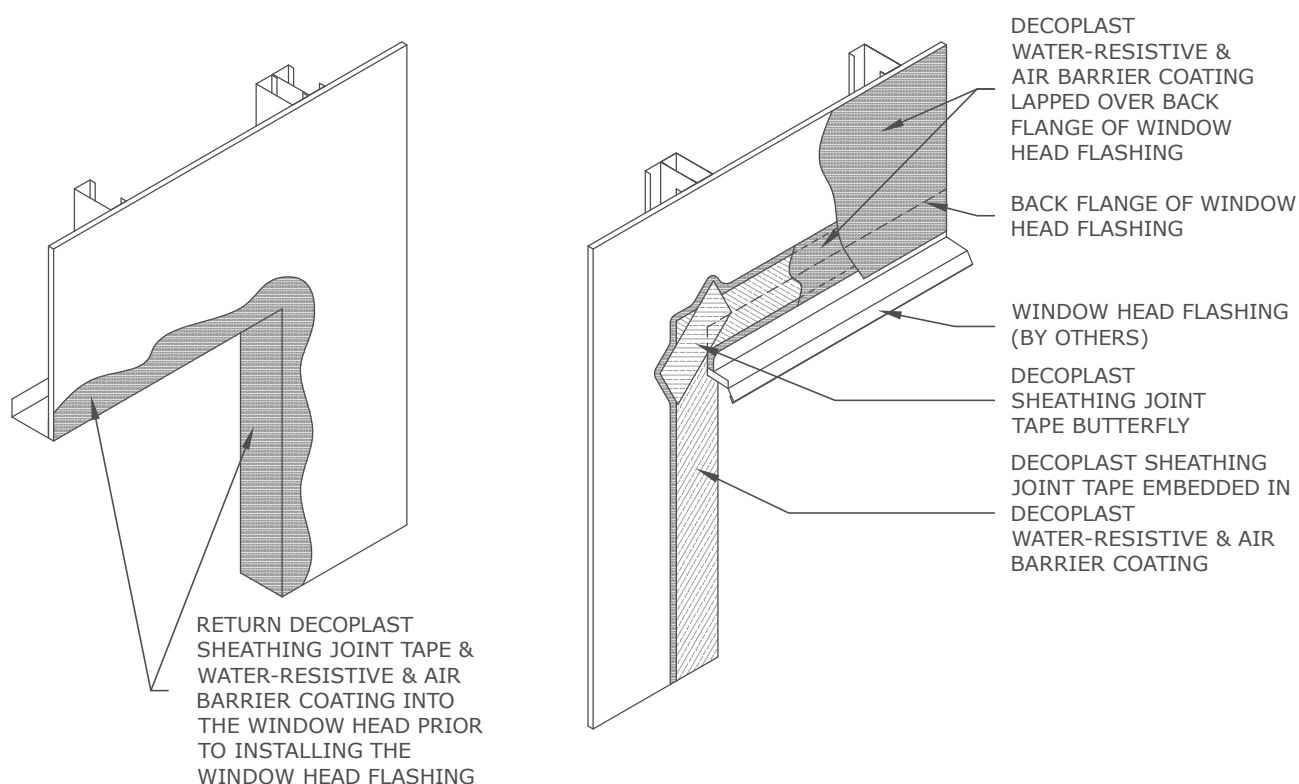
- NOTE:
1. Head flashing procedure similar.
 2. To ensure a continuous air barrier across the building envelope, a continuous air seal should be made at each substrate change, joints/gaps, penetrations and dissimilar material terminations. These must be a consideration of the designer in the overall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

Disclaimer: The design, specifications, and construction shall comply with all local building codes and standards. Decoplast installation guidelines are for general information and guidance only and Decoplast specifically disclaims any liability for the use of this design, and for design, engineering, or workmanship of any project. The assembly shall be designed to prevent condensation within the assembly. The designer and the user shall provide final drawings and specifications. Products shown other than those manufactured by Decoplast are shown for clarity of the Decoplast product only. Contact the manufacturer of such other products for installation instructions.



METAL HEAD FLASHING PROFILE

HEAD FLASHING SHOULD BE FABRICATED IN THE PROFILE SHOWN.
LENGTH OF FLASHING IS 1" LONGER THAN THE WIDTH OF THE WINDOW
FRAME. END DAMS SHOULD BE TURNED UPWARD 5/8" AS SHOWN.



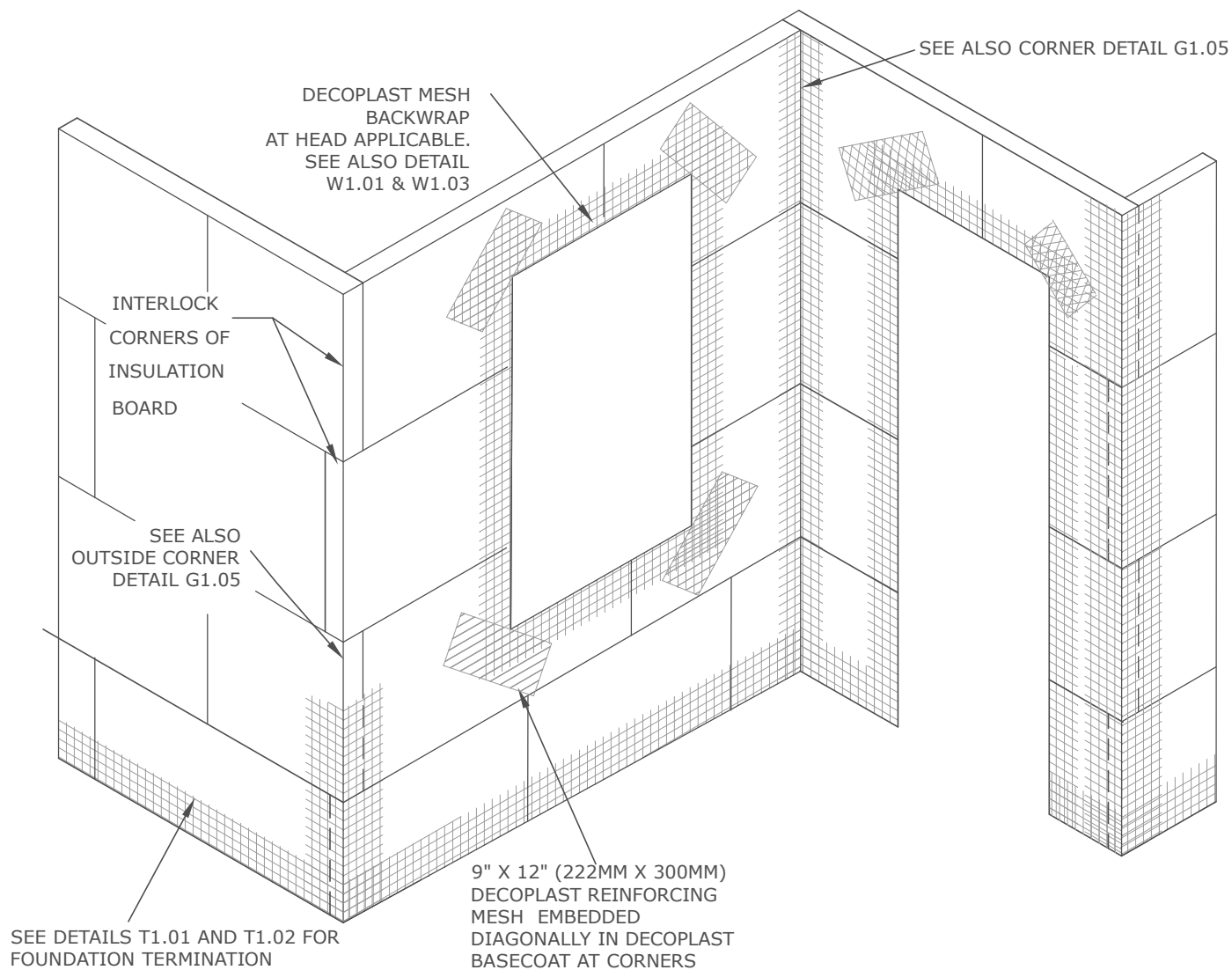
DDARS G1.03B ROUGH OPENING FLASHING PROCEDURE CONT.

DECOPLAST DDARS - 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.

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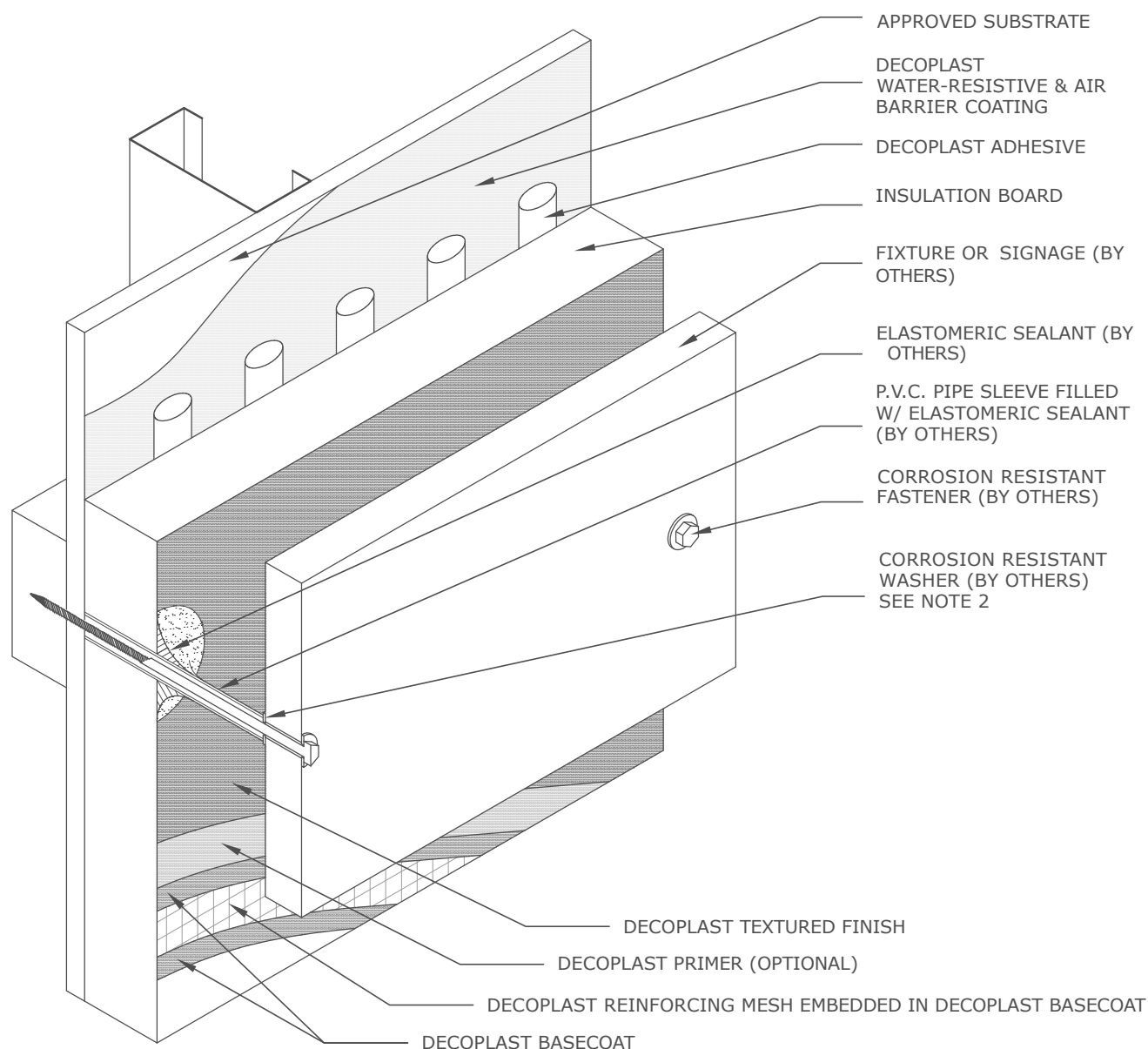


DDARS G1.04 PRELIMINARY MESH APPLICATION

DECOPLAST DDARS - 6/1/2016

NOTE: INSULATION BOARD JOINTS ARE OFFSET FROM WITH CORNERS OF OPENINGS

Disclaimer: The design, specifications, and construction shall comply with all local building codes and standards. Decoplast installation guidelines are for general information and guidance only and Decoplast specifically disclaims any liability for the use of this design, and for design, engineering, or workmanship of any project. The assembly shall be designed to prevent condensation within the assembly. The designer and the user shall provide final drawings and specifications. Products shown other than those manufactured by Decoplast are shown for clarity of the Decoplast product only. Contact the manufacturer of such other products for installation instructions.

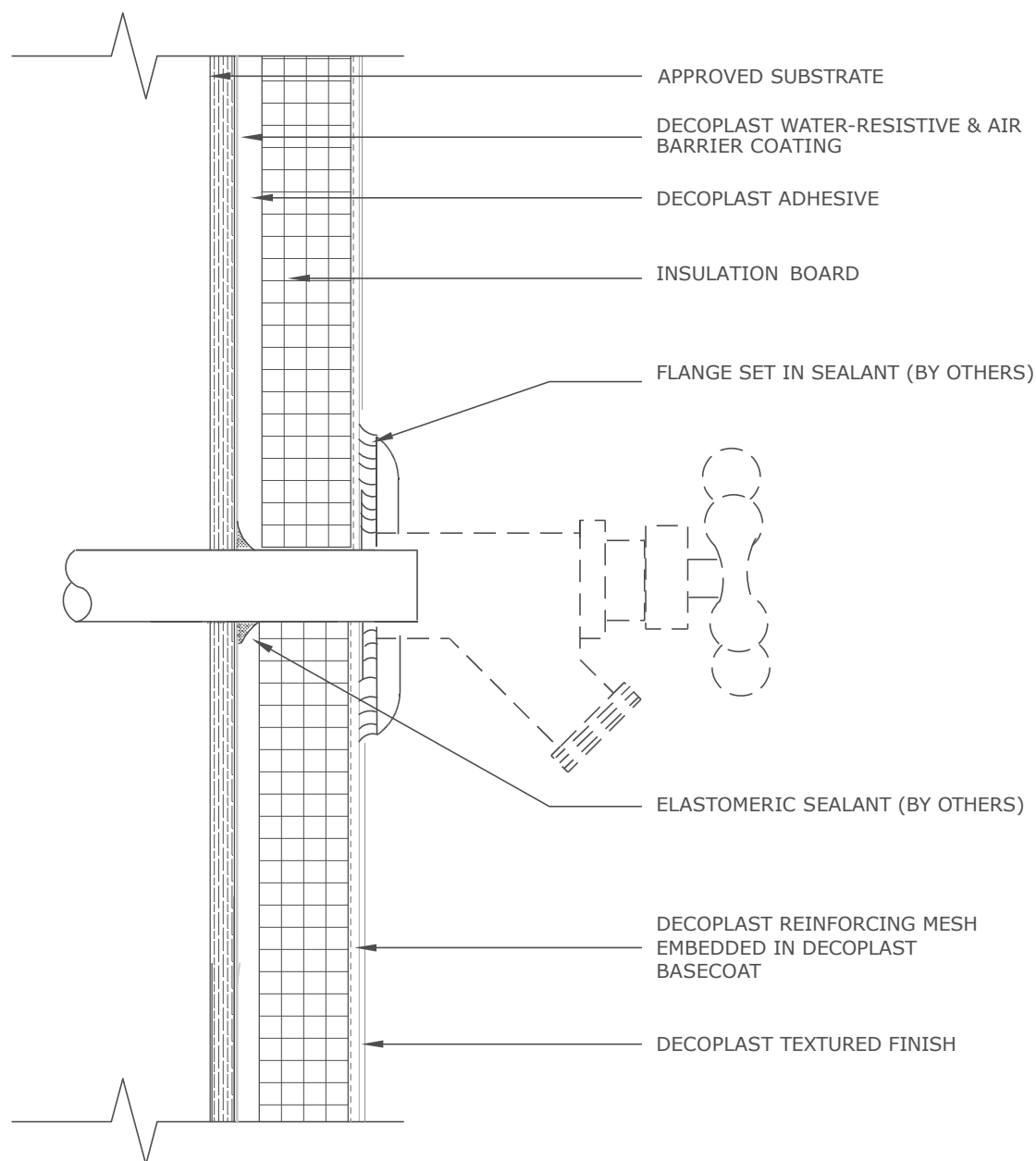


DDARS P1.01 FIXTURE ATTACHMENT (BY OTHERS)

DECOPLAST DDARS - 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.

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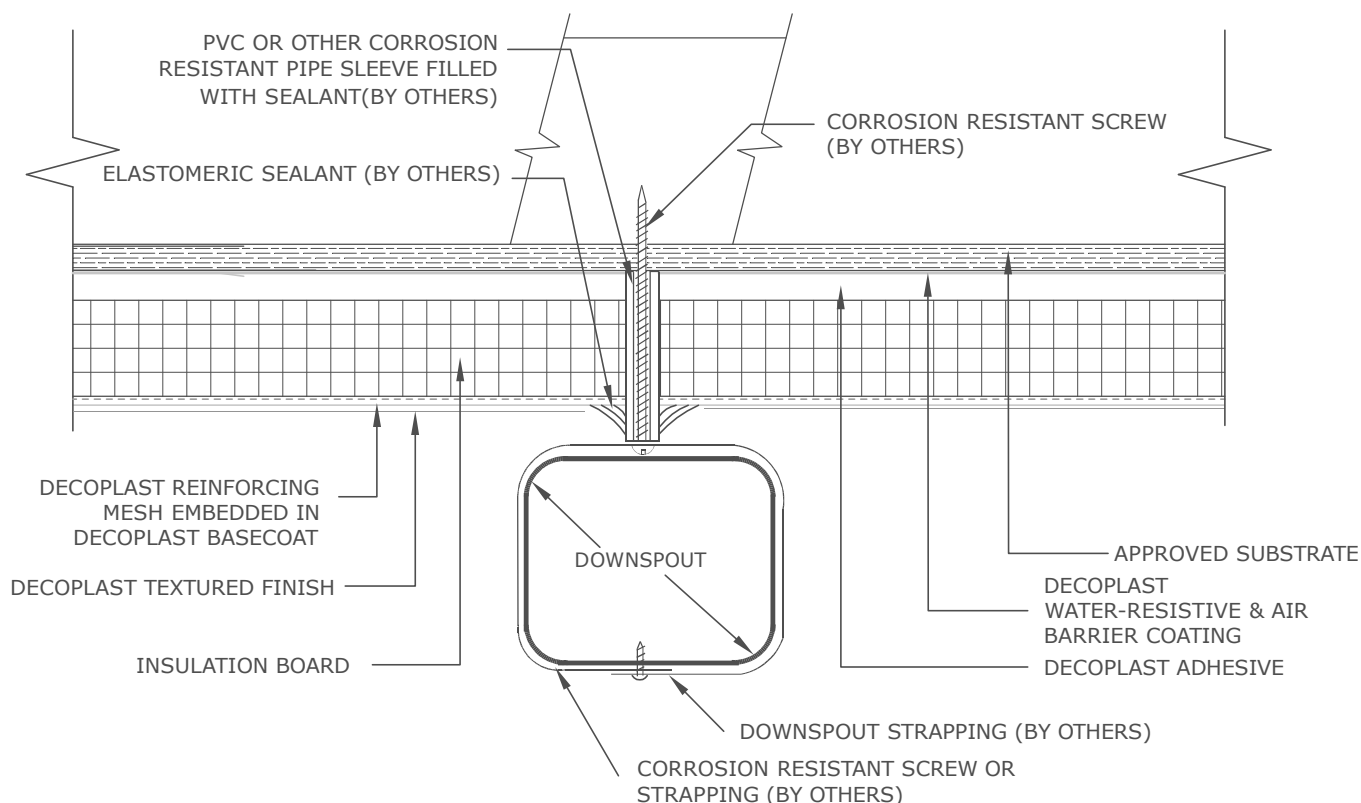


DDARS P1.02 TERMINATION AT HOSE BIB (BY OTHERS)

DECOPLAST DDARS - 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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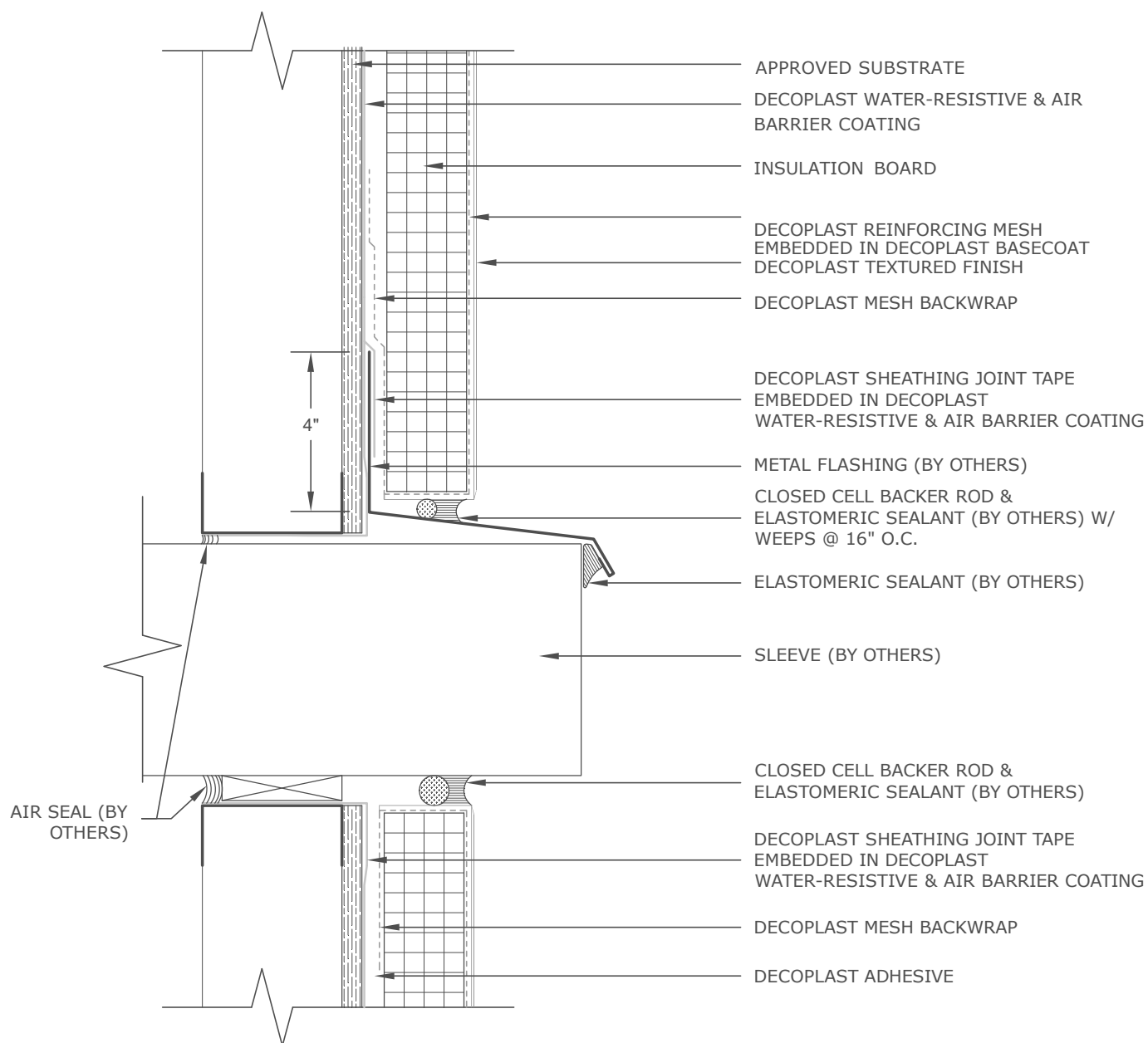


DDARS P1.03 DOWNSPOUT ATTACHMENT (BY OTHERS)

DECOPLAST DDARS - 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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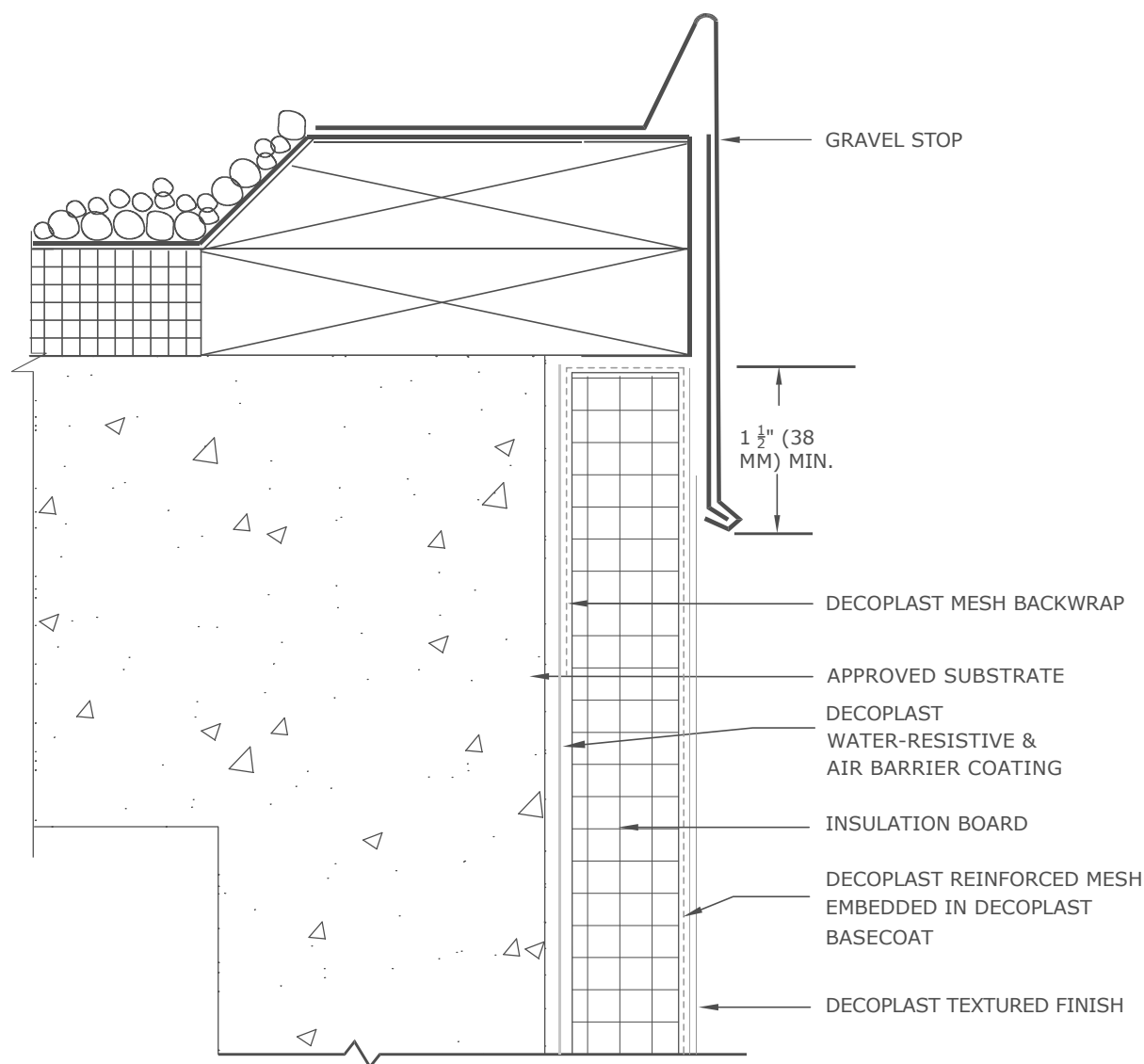


DDARS P1.04 TERMINATION AT APPLIANCE SLEEVE (BY OTHERS)

DECOPLAST DDARS - 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.

Disclaimer: The design, specifications, and construction shall comply with all local building codes and standards. Decoplast installation guidelines are for general information and guidance only and Decoplast specifically disclaims any liability for the use of this design, and for design, engineering, or workmanship of any project. The assembly shall be designed to prevent condensation within the assembly. The designer and the user shall provide final drawings and specifications. Products shown other than those manufactured by Decoplast are shown for clarity of the Decoplast product only. Contact the manufacturer of such other products for installation instructions.

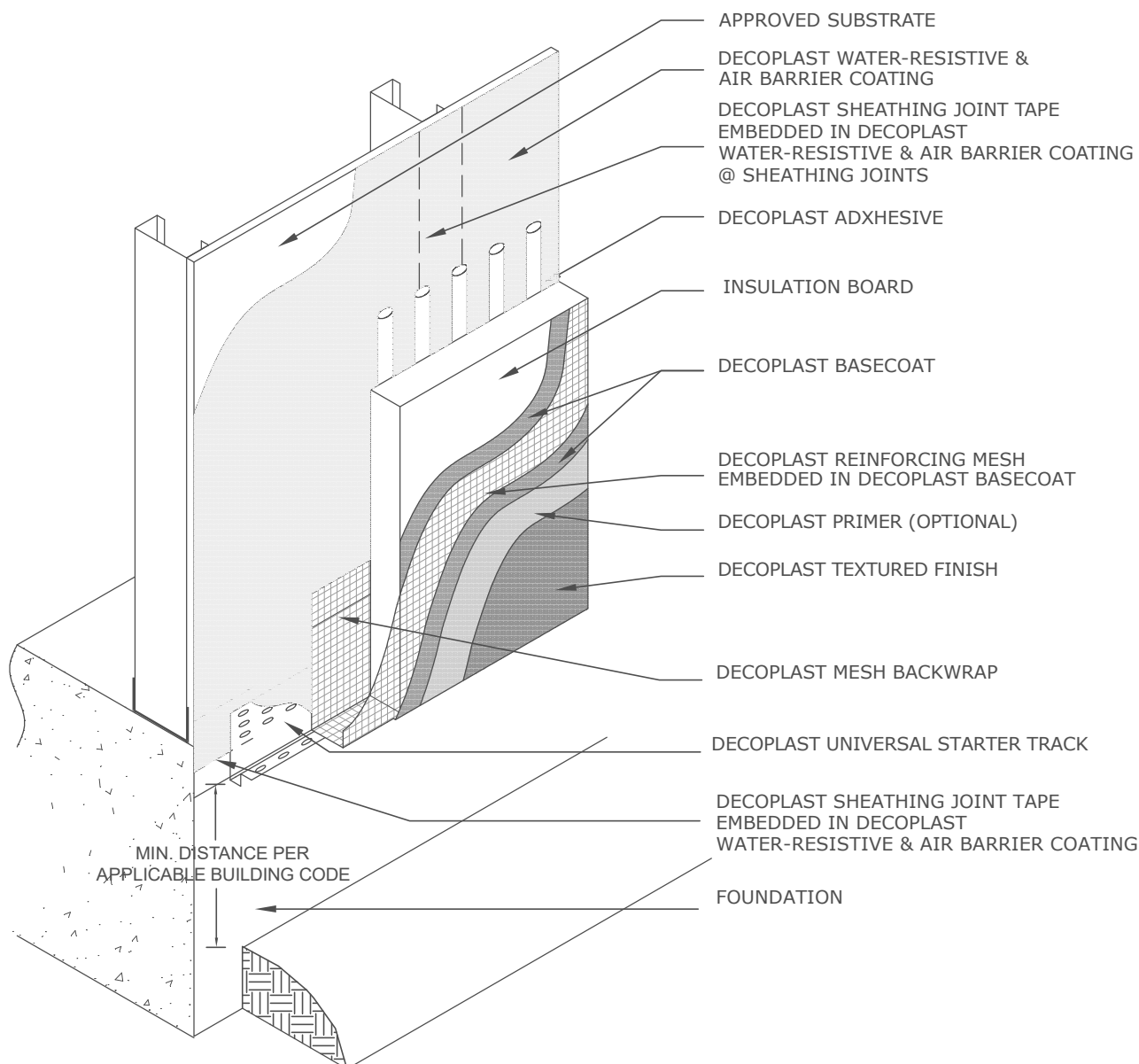


DDARS R1.04 TERMINATION AT GRAVEL STOP

DECOPLAST DDARS - 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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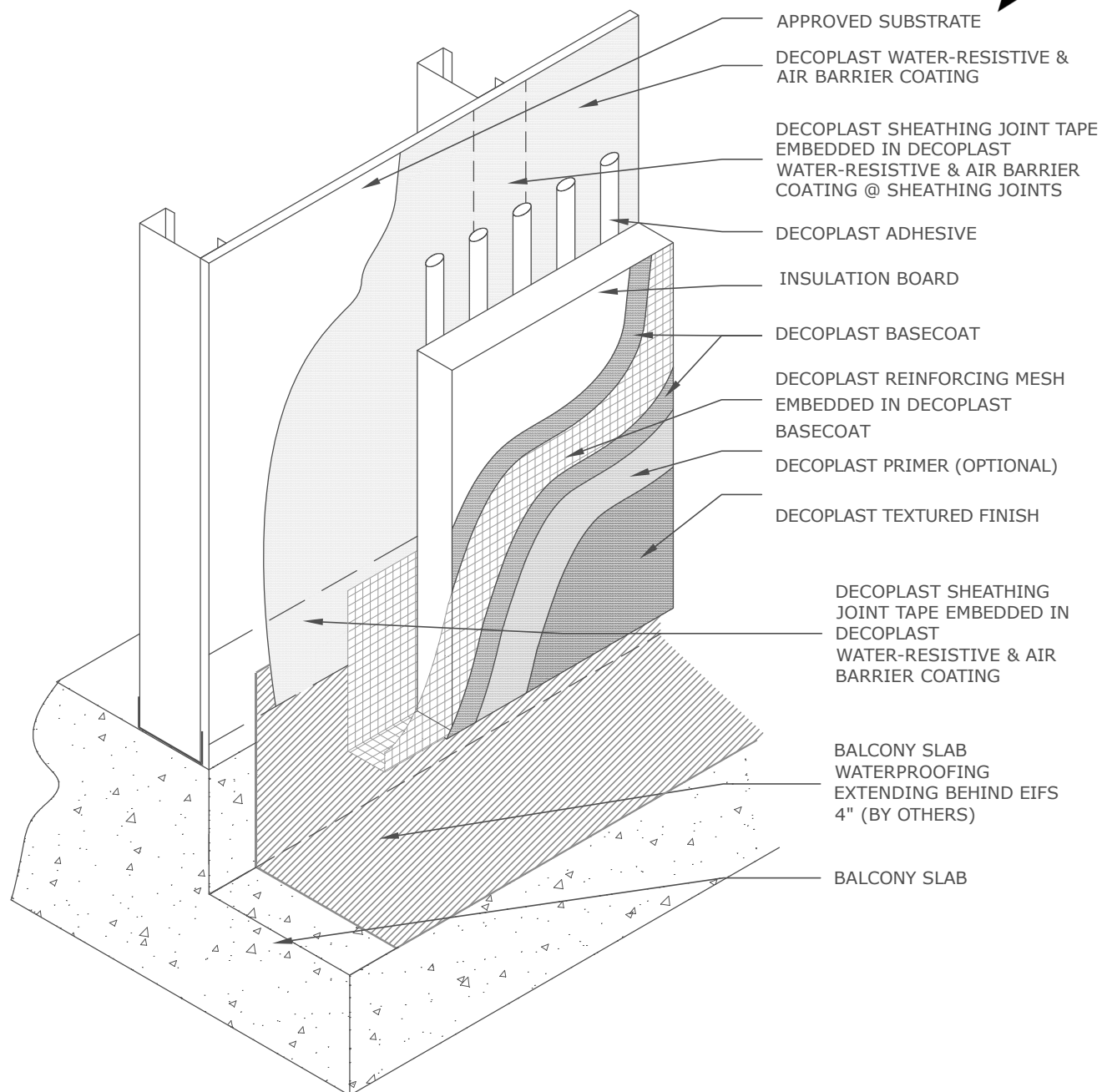


DDARS T1.02 DDARS TERMINATION AT GRADE

DECOPLAST DDARS - 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.

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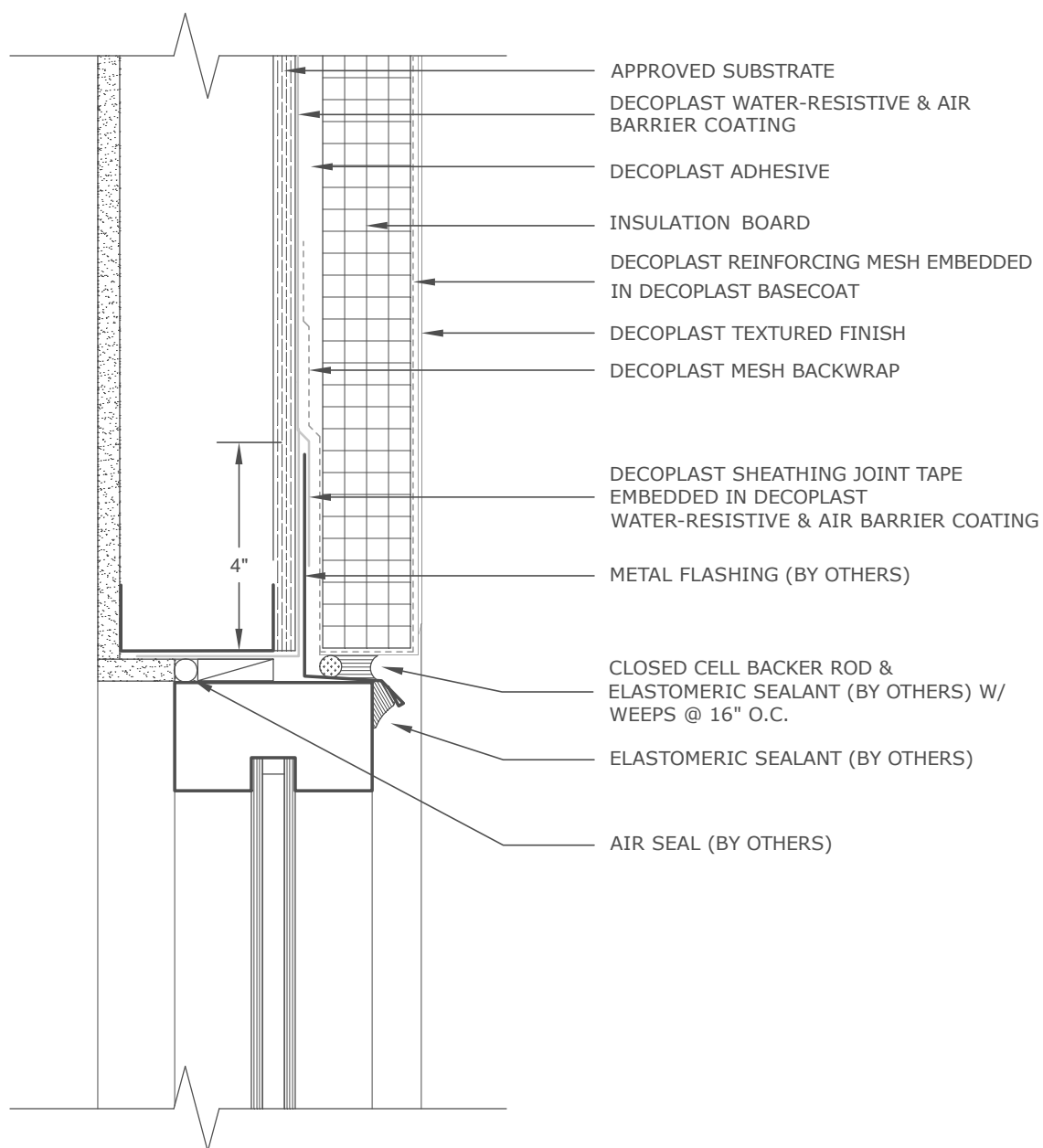
DDARS T1.05 DDARS TERMINATION AT BALCONY SLAB

DECOPLAST DDARS - 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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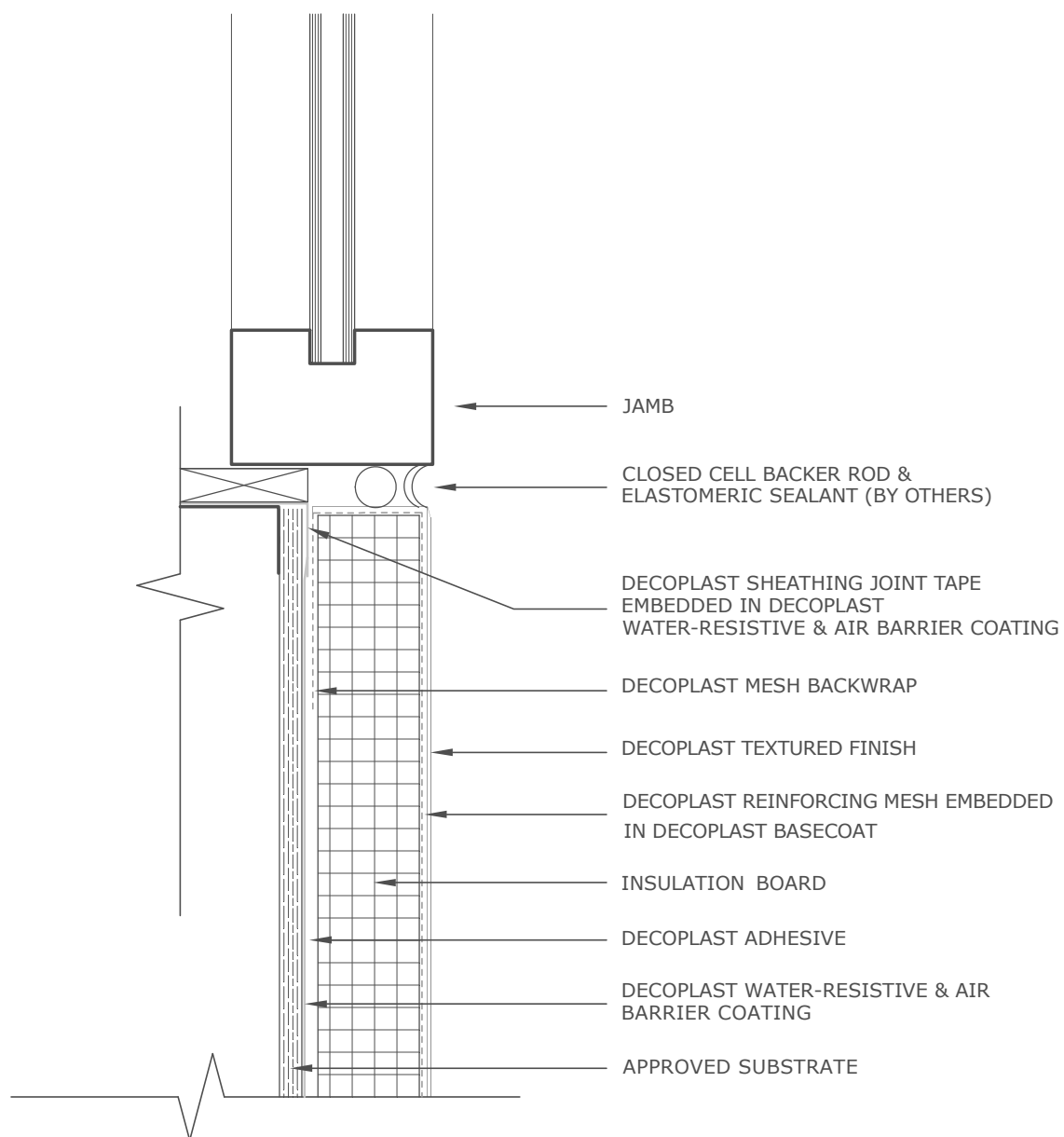


DDARS W1.02A TERMINATION AT WINDOW HEAD

DECOPLAST DDARS - 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.

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DDARS W1.04 TERMINATION AT WINDOW JAMB

DECOPLAST DDARS - 6/1/2016

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DECOPLAST LIMITED PRODUCT WARRANTY

Warranty Reference Number: XXXX-XX Project Name:

Project Address:

Products: Decoplast DDARS Channeled Adhesive EIFS

Warranty Period: 10 Years

Owner:

Owner Address:

General Contractor:

General Contractor Address:

Applicator:

Applicator Address:

Distributor:

Distributor Address:

Contact:

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 AGAINST INFRINGEMENT 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.

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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www.decoplast.com