



Decoplast Fluid Applied Class III Vapor Permeable Air/Water Resistive Barrier

Available in two versions depending on the substrate:

Decoplast Fluid Applied AWB Texture (GRAY) - Texture is applied using a trowel, roller, or texture spray equipment.

Decoplast Fluid Applied AWB Smooth (GREEN) - Smooth is applied by roller, texture spray equipment, or airless spray equipment.

USES

Decoplast Fluid Applied AWB is designed for use with Decoplast EIF Systems as well as other building claddings including EIFS, stucco*, brick, masonry block, masonry block with adhered masonry brick veneer, siding and metal panels. . When used with Decoplast transition membranes and reinforcements provides excellent secondary air and moisture protection.

FEATURES

BENEFITS

Fluid Applied	Easy to use. One component. Ensures a continuous air and water resistant film with enhanced antimicrobial properties
Vapor Permeable	Rated Class III medium permeability. Minimizes risk of condensation
Building Code Compliance Meets ICC-ES AC212	Meets requirements of 2015 and 2018 IBC, IRC and ICC for an air and water resistive barrier. Passed Miami Dade HVHZ TAS 201, 202, and 203 High Velocity Hurricane Testing
Structural	No air or water leakage between sheathing or block assembly under air pressure loads; does not tear or blow off the wall with wind.
Resists UV Degradation / Added Durability	180 days/6 months exposure rating during construction.

PROPERTIES

Drying Time: Drying time is dependent 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.

Job Conditions: 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.

Acceptable Substrates: All sheathing substrate joints must be reinforced with Decopplast Sheathing Fabric embedded in Decoplast Fluid Applied AWB prior to the application over the full sheathing surface.

1. Core treated exterior grade gypsum sheathing meeting ASTM C 1396 or core treated exterior grade gypsum sheathing with fiberglass mat face meeting ASTM C 1177.
2. Exterior fiber reinforced cement or calcium silicate board.
3. APA Exterior or Exposure Rated Plywood, Grade C-D or better, nominal 1/2 inch (12.7 mm) minimum, installed with the C face out.
4. APA Exterior Grade Fire Retardant Treated Plywood, nominal 1/2 inch (12.7 mm) minimum, installed with the C face out.
5. APA Exposure 1 Rated OSB, nominal 1/2 inch (12.7 mm) minimum.
6. Unpainted, unsealed concrete, and CMU.
7. Can be used over block with direct applications thin brick and lightweight masonry veneer. Consult Greenmaker Industries for specific recommendations.

Decoplast Fluid Applied WRB is a high performance flexible polymer based, one-component, class III medium vapor permeability air/water-resistive barrier.

It is applied directly to vertical, above-grade wall substrates and provides an excellent air and water barrier membrane.

Approximate Coverage:

Glass-Mat Gypsum Sheathing:
450-500 ft² (42-51 m²) per pail when applied 10–12 wet mils (5-7 mil DFT)

Plywood Sheathing:
550–600 ft² (51-56m²) per pail when applied 10–12 wet mils (5-7 mil DFT)

OSB Sheathing:
350-550 ft² (32-51m²) per pail when applied 12 –16 wet mils (8-10 mil DFT)

CMU: (textured)
100–300 ft² (9.3– 28m²) per pail when applied **IN TWO COATS** at 10–30 wet mils (7-19 mil DFT) per coat.

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—285 ft (87m) / pail

** Roll or spray and back roll for optimum coverage. Actual results may vary depending on surface porosity, roughness, and other factors.*

Packaging

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

Shelf Life

24 months, if properly stored and sealed.

Storage

Store in a cool, dry place protected from freezing. Store at no less than 4°C (40°F). Protect from extreme heat and direct sunlight.



TECHNICAL DATA

Decoplast Fluid Applied AWB Weather Resistive Barrier	Method	ICC and ASTM E2570 Criteria	Results
Accelerated Weathering	AC 212	25 Cycles followed by Hydrostatic Pressure Test: No water penetration on the plane of the exterior facing side of the substrate.	Pass: No water penetration
Air Infiltration	ASTM E2178	Calculated flow Rate at 75 Pa (1.57 lb/ft ² , 0.3 in H ₂ O) = < 0.02 L/m ² *s (< 0.004 cfm/ft ²)	< .00001 L/m ² *s (0.00001 cfm/ft ²) at 75 Pa (1.57 lb/ft ² , 0.3 in H ₂ O)
Air Leakage of Air Barrier Assemblies	ASTM E2357	Pass < 0.2 L / s·m ² at 75 Pa) (< 0.04 cfm / ft ² at 1.57 psf)	Pass
Air Leakage	ASTM E283	No Criteria	< 0.004 cfm/ft ²
Elongation	ASTM D412	No Criteria	360%
Flexibility	ASTM D522	No Criteria	No Cracking at 1/8" (3 mm)
Freeze-Thaw Resistance	ASTM E 2485	10 Cycles	Pass: No Deleterious Effects
Hydrostatic Pressure Test	AATCC 127 (Water Column)	Resist 21.6 in (55 cm) water for 5 hours before and after aging	No water penetration before and after aging
Nail Seal ability, Head of Water	ASTM D1970	Pass 5 inches of water	Pass
Evaluation of Fire Propagation	NFPA 285	In Accordance with IBC Chapter 26	Meets requirements for use on all Types of construction
Radiant heat exposure	NFPA 268	In Accordance with IBC Chapter 26	No ignition upon 20 minute radiant heat exposure at 1.25 w/cm ² .
Pull off Strength	ASTM D 4541	No Water Penetration	Pass: No water penetration
Racking	ASTM E72	Deflection at 1/8 in (3.2 mm)	Pass -No cracking at field, joints or flashing connection
Structural Loading	ASTM E1233 Procedure A	10 Cycles @ 80% design load	Pass: No cracking at field, joints or flashing connection
Restrained Environmental	ICC ES AC 212 / ASTM E2570	5 Cycles of wetting and drying	Pass: No cracking at field, joints or flashing connection
Surface Burning Characteristics	ASTM E84	ICC and ASTM E2568 Flame Spread <25 Smoke Developed <450	Flame Spread =0 Smoke Developed =0
Tensile Bond Strength	ASTM E 2134/ ASTM C 297	Minimum 15 psi (104 kPa)	Pass: All listed substrates and flashing materials
Water Resistance	ASTM D 2247	14 Days	Pass: No Deleterious Effects
Water Penetration	ASTM E331	2.86 psf (137 Pa) for 15 minutes	Pass 25.4 psf (1216 Pa) for 165 minutes
Water Penetration	ASTM E331	Tested after Structural Loading, Racking and Restrained Environmental Cycling at 2.86 psf (137 Pa) for 15 minutes	No Water Penetration
Water Vapor Transmission	ASTM E96 Procedure B	Vapor Permeable	12.0 perms
Weathering	ICC ES AC 212 / ASTM E2570	210 hours of UV Exposure, 25 cycles of accelerated weatherin, 21.6 in (549 mm) water column for 5 hours	Pass
Wind Driven Rain	F.S. TT-C-555B	No Criteria	Pass



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PRECAUTIONS AND LIMITATIONS

Apply to acceptable substrates only.

Do not store at or below freezing temperatures.

Application range is at ambient temperatures between 25° and 100°F (-3.8° and 38°C) during application and drying period. Follow **special instructions for cold temperature application if installing below 40°F (4°C)**. Do not apply if the substrate temperature is less than 25°F (-3.8 °C), or if temperatures will go below 25°F (-3.8°C) at any time during the application or drying period.

Do not apply if the surface temperature is less than 5°F (2.8°C) above the ambient dew point temperature.

Do not use below grade or on surfaces subject to prolonged or continued water immersion.

Fire retardant or pressure treated plywood must be dry with the surface free of salts or other chemicals that tend to migrate out of these kinds of substrates. Test adhesion to be sure of desired results.

Use a slip sheet, typically one layer of building paper, or Decoplast Rainscreen between Decoplast WRB and stucco or adhered masonry veneer over metal lath.

SURFACE PREPARATION

Surfaces shall be structurally sound, dry, clean, sound and free of frost, damage, and all bond inhibiting materials, including dirt, dust, efflorescence, release agents, paint or other residue or coatings. Damaged sheathing must be removed and replaced. Sheathing must be installed in compliance with the building code and sheathing manufacturers recommendations.

Treat sheathing joints, inside and outside corners, rough openings, and transitions with appropriate Decoplast transition components. Sheathing joints shall not exceed 1/8 inch (0.125 mm) and surface must be flat within 1/4 inch (6.4 mm) in any 4 ft (1.3 m) radius. CMU mortar joints shall be struck flush (tooled mortar joints and heavily textured CMU shall be skimmed with Decoplast Base Coat prior to the application of the AWB. CMU shall be clean, unpainted, and free of efflorescence.

Concrete shall have cured a minimum of 28 days prior to the application of the Decoplast AWB. All projections shall be removed, and small voids filled with Decoplast Base Coat.

All substrate transitions, gaps, openings and penetrations such as windows, doors, electrical components, etc., shall be treated with a Decoplast transition membrane. See Decoplast details for recommendations.

MIXING

Mix to a uniform consistency with an electric drill and clean, rust free paddle. Do not thin or dilute with water.

APPLICATION

Exterior Gypsum Sheathing, Glass Mat Sheathing, Exterior Plywood, and Oriented Strand Board (OSB); apply Decoplast AWB to the prepared substrate using a 1/2 inch (13 mm) nap roller or airless spray equipment that supports minimum 1 gallon (3.8 L) per minute. Suggested tip size is .031. Pressure and tip may vary depending on equipment. Apply uniformly at recommended wet mil thickness. CMU surfaces: apply minimum 2 coats uniformly by airless spray at 10–30 wet mils per coat, allowing the first coat to set slightly, then doubling back with a second coat. CMU surfaces may require back rolling of the first coat with a 3/4 or 1 inch (19 or 25mm) synthetic nap roller depending on porosity, joint profile, or other variables.

Additional Information: OSB substrates may require touchup. CMU substrates may require more than 2 coats depending on joint profile. Make sure to achieve a **VOID AND PINHOLE FREE SURFACE ON ALL SUBSTRATES**. Wait 24 hours before adhesive attachment of Decoplast insulation board. Protect from rain and freezing until completely dry.

HEALTH AND SAFETY

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

WARNING!

May causes eye and skin irritation.

Precaution Measures:

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

First Aid:

Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the 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 give 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

Contain and collect with a 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 (SDS) for further health and safety information.

LIMITED WARRANTY

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



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