

# SPEEDCOAT MOISTURE BARRIER AND ADHESIVE

## Trowel Applied Waterproof Membrane & Air Barrier Adhesive

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

### PRODUCT HIGHLIGHTS

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

### USES

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

### PROPERTIES

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
<b>Tensile Bond</b>	ASTM E2568-09e1	Min. 15 psi {103kPa}	Substrate Minimum ASTM C297/297M-04 20psi {139 kPa} Liquid Weather Barrier Flashing Minimum 70psi {485 kPa}
<b>Water Resistance</b>	ASTM E2568-09e1	14 Day exposure	Pass ASTM D2247-11
<b>Water Vapor Transmission</b>	ASTM E2570	Vapor Permeable	Pass
<b>Air Leakage</b>	ASTM D2247-11		.02 L/Min./m2
<b>Water Penetration</b>	ASTM E283	No water penetration	Pass beyond the inner most plane of the wall after 15 min @ 2.86psf
<b>Air Permeance</b>	ASTM E331		<0.02 L/s/m2 @ 75Pa
<b>Puncture Resistance</b>	ASTM E2178-11	N/A	31.5 lbs.
<b>Racking</b>	Lab Test	No cracking; net deflection 1/8"	Pass
	ASTM E72		
<b>Transverse Load</b>	ASTM E1233 AC-212	10 cycles	Pass
<b>Tensile Bond</b>	ASTM C297		Pass
	ASTM E2134		
<b>Structural Performance</b>	ASTM E1233 Proc A	10 cycles	Pass
<b>Flame Propagation</b>	NFPA-285		Pass; UL Certified
<b>Radiant Heat Ignition</b>	NFPA-268	No Flame Spread / Ignition	Pass

#### SURFACE PREPARATION:

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



**MIXING:**

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

**APPLICATION:**

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

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

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

**For Air and Moisture Barrier:**

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

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

**Curing/Drying**

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

**Material Storage**

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

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

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

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


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

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

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

**LIMITED WARRANTY**

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

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