

Decoplast Speedcoat Moisture Barrier and Adhesive



TECHNICAL DATA

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Tensile Bond	ASTM E2568-09e1 ASTM c297/297M-04(2010)	Min. 15 psi (103kPa)	Substrate Minimum 20psi (139 kPa) Liquid Weather Barrier Flashing Minimum 70psi (485 kPa)
Water Resistance	ASTM E2568-09e1 ASTM D2247-11	14 Day exposure	Pass
Water Vapor Transmission	ASTM E2570 ASTM D2247-11	Vapor Permeable	Pass
Air Leakage	ASTM E283		.02 L/Min./m2
Water Penetration	ASTM E331	No water penetration on beyond the inner most plane of the wall after 15 min @ 2.86psf	Pass
Air Permeance	ASTM E2178-11		<0.02 L/s/m ² @ 75Pa
Puncture Resistance	Lab Test	N/A	31.5 lbs
Racking	ASTM E72	No cracking; net deflection 1/8"	Pass
Transverse Load	ASTM E1233 AC-212	10 cycles	Pass
Tensile Bond	ASTM C297 ASTM E2134		Pass
Structural Performance	ASTM E1233 Proc A	10 cycles	Pass

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. Decoplast Speedcoat Moisture Barrier and Adhesive is one component of the Decoplast DDARS Speedcoat System.

Coverages per pail:

200—300 ft² @ 1/16" as Weather Barrier / Adhesive.

Coverage will vary based on substrate type and condition.

Packaging

5 gallon (19L) 62.5 lb / 28.4 kg per pail

Shelf Life

24 months, if properly stored and sealed.

Storage:

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

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FEATURES	BENEFITS
Waterproof	Minimizes risk of water damage and associated repair or replacement costs
Vapor Permeable	Minimizes risk of condensation in wall from water vapor diffusion
Structural	No air leakage between sheathing and Decoplast Speedcoat, rigid/stable under air pressure loads; does not tear or blow off the wall with wind
Seamless	No tears, holes, or mislapped joints that can compromise performance in service
Durable	Does not tear or lose its effectiveness with exposure to weather during construction or while in service
Resists UV Degradation Liquid Formulation	Gives peace of mind if construction delays occur
Water Based	Safe, non-toxic, VOC compliant, saves time and money when installing the product
Safe for Expedited Install	Low VOC, low flame spread and smoke development. Easy, fast installation; does not require specialized spray equipment does not require highly skilled labor

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

Mix with a clean, rust-free electric drill and paddle to a uniform consistency. **PRODUCT MUST NOT BE THINNED OR DILUTED.**

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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 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 [70°F (21°C), 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.

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LIMITATIONS

- Apply only when the surface and ambient temperatures are above 40°F (4°C) and below 100°F (38°C) during application and drying period.
- Not recommended for use when cool, damp conditions exist for prolonged periods. Cool, damp conditions retard drying and may require extended periods of protection.
- Do not use on damp surfaces, below grade, or on surfaces subject to water immersion.
- Not recommended for use over fire-retardant treated or pressure treated plywood substrates; must be dry and free of all bond-inhibiting materials.
- Not recommended for spanning sheathing joints or holes in excess of 1/8" (3 mm) wide.
- Contact Decoplast Technical Service for additional information regarding coverage over different brands.
- Ventilate temporary heaters to the exterior to prevent water vapor from accumulating on or within the wall assembly materials.
- Decoplast Speedcoat Moisture Barrier/Adhesive can be left exposed to weather for up to 6 months of installation to protect the substrate.
- When Decoplast Speedcoat Moisture Barrier/Adhesive is used in conjunction with Decoplast Continuous Insulation Systems ensure the Decoplast Speedcoat Moisture Barrier/Adhesive surface is clean, dry, and free of surface contamination. Install Decoplast Continuous Insulation System Board within 30 days of the application of Decoplast Speedcoat Moisture Barrier/Adhesive, or clean the surface and recoat with Decoplast Speedcoat Moisture Barrier/Adhesive.
- For Portland cement stucco and similarly constructed wall assemblies over metal lath contact Decoplast Technical Services.

HEALTH AND SAFETY

Health Precaution

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

WARNING!

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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