

MULTI-AIR BLANKET

Air & Vapor Barrier



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Overview

MULTI-AIR BLANKET uses Mulasticoat to eliminate the transmission of air & water vapor from outside the structure to the inside. Designed to be applied for the prevention of air and vapor transmission from entering a structure. It is a Low VOC, seamless solution that can be rolled or spray applied to wood, metal, foam, or concrete. The system is UV stable, crack bridging, uv stable, & non flammable as well. The MULTI-AIR BLANKET offers a number of performance advantages over polymeric weather resistive barriers and traditional asphalt-impregnated felt or paper barriers. The BLANKET as a fluid applied air and vapor barrier provides an effective and economical means of protecting the structure long-term. The BLANKET is used in all types of wall construction including over gypsum and cement-based sheathings, OSB, plywood, CMU, and prepared concrete. Research shows that air leakage is a common source of condensation, moisture accumulation, and energy loss in exterior walls. Water vapor transfer through walls will cause mold, mildew and odors. MULTI-AIR BLANKET will reduce the damaging effects of condensation, moisture accumulation, energy loss and the related risk of mold, mildew and odors.

Surface Preparation

Substrate must be structurally sound, free from grease, oil, paint, dirt, dust, sealers, laitance, curing compounds, and any other foreign material which may prevent proper bonding. Cracks and imperfections must be repaired prior to application.

Application

Step 1: Spray or use a standard 3/4 nap roller, roll a continuous uniform film to a minimum of 20 mils wet. This thickness should yield 325 to 500 sq. ft. per 5-gallon pail. The material can also be sprayed through an airless spray gun or through a standard drywall texture gun.

Wood/Gypsum Substrates: Joints, corners, nail holes larger than 1/8" must be sealed by embedding polyester fabric mesh with Mulasticoat. Once Mulasticoat has dried continue with full wall application. Nail holes could be covered using a Polyurethane caulk prior to Mulasticoat application.

Masonry Substrates: Fill or repair any cracks or voids with Scratch Kote 2000 super-bonding repair mix. Masonry with larger than 1/8th gaps should be parged or may be bridged using Polyester Stitch Bond Fabric. Depending on the masonry material it may require Mulasticoat to be sprayed and then back rolled.

Foam Substrates: Joints less than 1/8" can be bridged and require no prep work. For larger joints, fill with expanding foam spray to dam the crevice or bridge it with Polyester Stitch Bond Fabric saturated with Mulasticoat.

****NOTE:** This is NOT a finish coat. Exterior finish material must be applied.

Quick Reference Guide

STEP	MATERIAL	PURPOSE	COVERAGE	
1	Mulasticoat	Air & Vapor Barrier	150 SqFt/Gallon 10 mils (wet)	

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Coverage

- **MULASTICOAT:** 100-150 SqFt/Gal
- **POLYESTER STITCH BOND FABRIC:** 12" x 324' rolls
(Coverage may vary due to application method and/or substrate condition.)

Limitations

- **DO NOT** apply if substrate or ambient temperature is <40°F or >100°F.
- **DO NOT** apply if precipitation is expected within a twenty four (24) hour period.
- Protect MULASTICOAT to avoid punctures or damage.
- **DO NOT** allow MULASTICOAT to get wet during installation or drying.

Multicoat is not responsible for cracks or delaminations caused by structural movement, improper substrate, improper construction or application.

Packaging And Storage

- **MULASTICOAT:** 1-gallon cans, 5-gallon pails, 55-gallon drums, 275-gallon totes.
- **POLYESTER STITCH BOND FABRIC:** 12" x 324' rolls
- Store in a dry environment 40 to 90°F.
- Store away from direct contact with ground.
- Protect from weather and other damage.
- Shelf life is approximately 18 months for unopened product.

Damage Limitation

Seller shall not be liable for any damages, injury, loss, direct or consequential, resulting from its products. The parties intend that the limitation of damages, including consequential damages, applies even if the exclusive remedy provided for herein fails of its essential purpose.

Exclusive Remedy

Seller's sole obligation, and buyer's exclusive remedy shall be to replace material if found to be defective.

Warranty Disclaimer

There are no warranties which extend beyond the description of the fact hereof. Seller expressly disclaims all other warranties regarding the use of its products, whether expressed or implied, including the implied warranties of merchantability and for fitness of a particular purpose. Since use of the product is beyond the Seller's control, the Buyer assumes all risk of use.

WARRANTY

Materials are guaranteed with respect to uniformity and quality within manufacturer's specifications.



Laboratory Test Data

MULASTICOAT "THE BLUE STUFF"

TEST

1. Tensile Strength
2. Elongation
3. Adhesion, PSI
4. Static Hydrostatic Pressure
5. Hydrostatic Head
6. Crack Bridging
7. Nail Sealability
8. Low Temperature Flexibility
Mandrel Bend

METHOD

ASTM D2370
ASTM 2370
ASTM C297
ASTM C 1306

12" Water/Film@40mil
ASTM C1305
ASTM D1970 - Sec. 7.9

ASTM D522

BG 2000 RESULTS

PSI 99
1086%
162 Cohesive
Pass>45PSI
.0003 Perms
Pass 96hrs/No Effect
Pass (1148% Elongation)
Pass (with fabric)

½" Room Temp Pass
1" @ -5°F Pass
½" @ -5°F Pass

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East Coast

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