

# MULTI-AIR BLANKET

## Air & Vapor Barrier



### 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, 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. Low VOC + environment friendly. **No Primer Needed.**

### 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

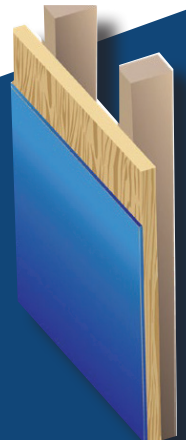
**Step 1:** Material can be spray or rolled at 10 mils wet.

**Wood Substrates:** 65-100 SqFt/Gallon. 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.

**DENS Glass:** J-Calk Joints with Non-Sag Flex C

**\*\*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	65-100 SqFt/Gallon 10 mils (wet)

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## Coverage

- **MULASTICOAT:** 65-100 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 applicaton.*

## Packaging And Storage

- **MULASTICOAT:** 1-gallon cans, 5-gallon pails, 55-gallon drums, 275-gallon totes.
- **POYLYESTER 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	METHOD	BG 2000 RESULTS
Tensil Strength	ASTM D2370	PSI 99
Elongation	ASTM 2370	1086%
Adhesion, PSI	ASTM C297	162 Cohesive
Static Hydrostatic Pressure	ASTM C 1306	Pass>45PSI .0003 Perms
Hydrostatic Head	12" Water/Film@40mil	Pass 96hrs/No Effect
Crack Bridging	ASTM C1305	Pass (1148% Elongation)
Nail Sealability	ASTM D1970 - Sec. 7.9	Pass (with fabric)
Low Temperature Flexibility	ASTM D522	1/2" Room Temp Pass
Mandrel Bend		1" @ -5°F Pass
		1/2" @ -5°F Pass

WEST COAST (949) 888-7100

EAST COAST (304) 937-2101

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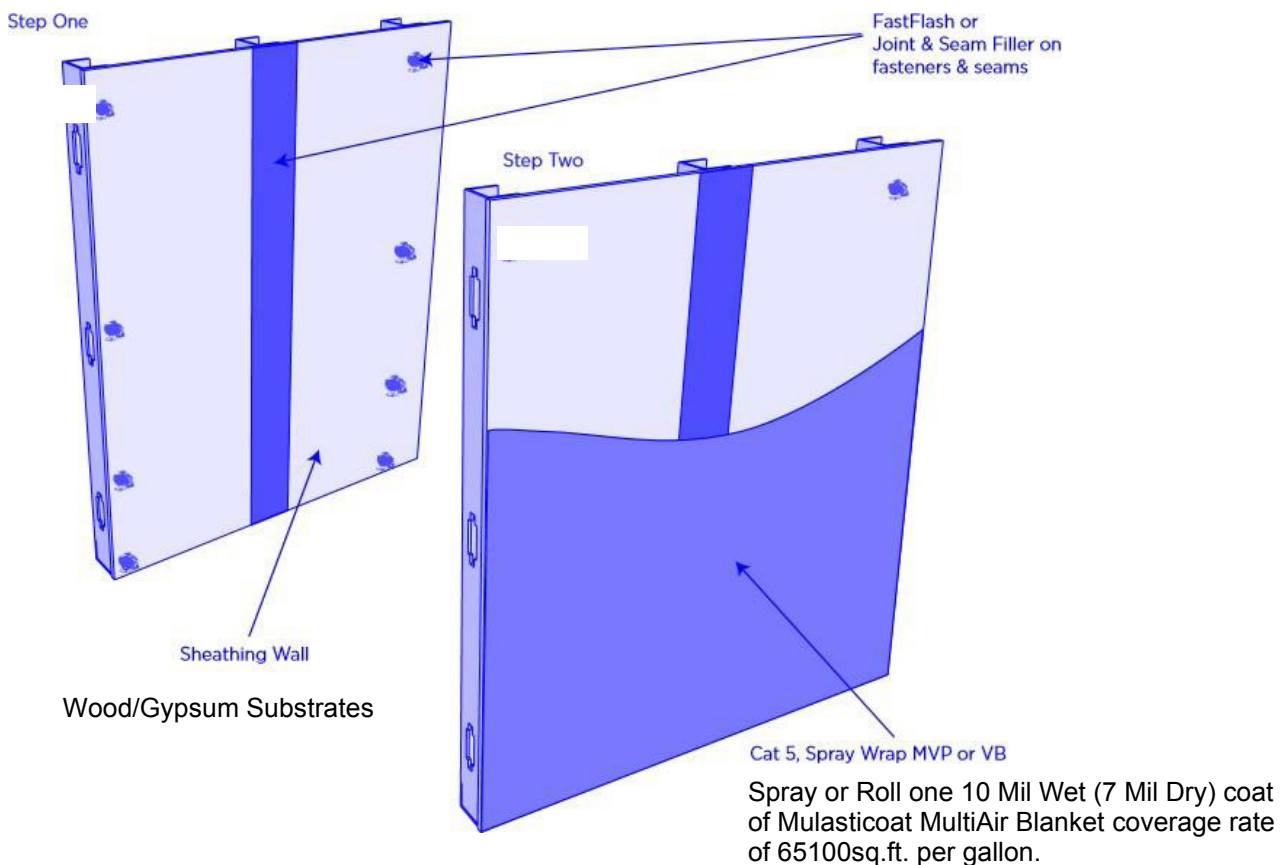
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## ACCESSORY MATERIALS

1. Polyester Fabric Material,
2. Fiber Mesh or Expanding Foam Spray used to fill cracks, joints and corners larger than 1/8".
3. Scratch Kote to fill or repair any cracks or voids.
4. Standard 3/4 nap rollers.
5. Polyurethane Caulk for nail holes.

## Wood/Gypsum Substrates

Joints and corners larger than 1/8" should be sealed with Multicoat's polyester fabric mesh embedded with Mulasticoat.



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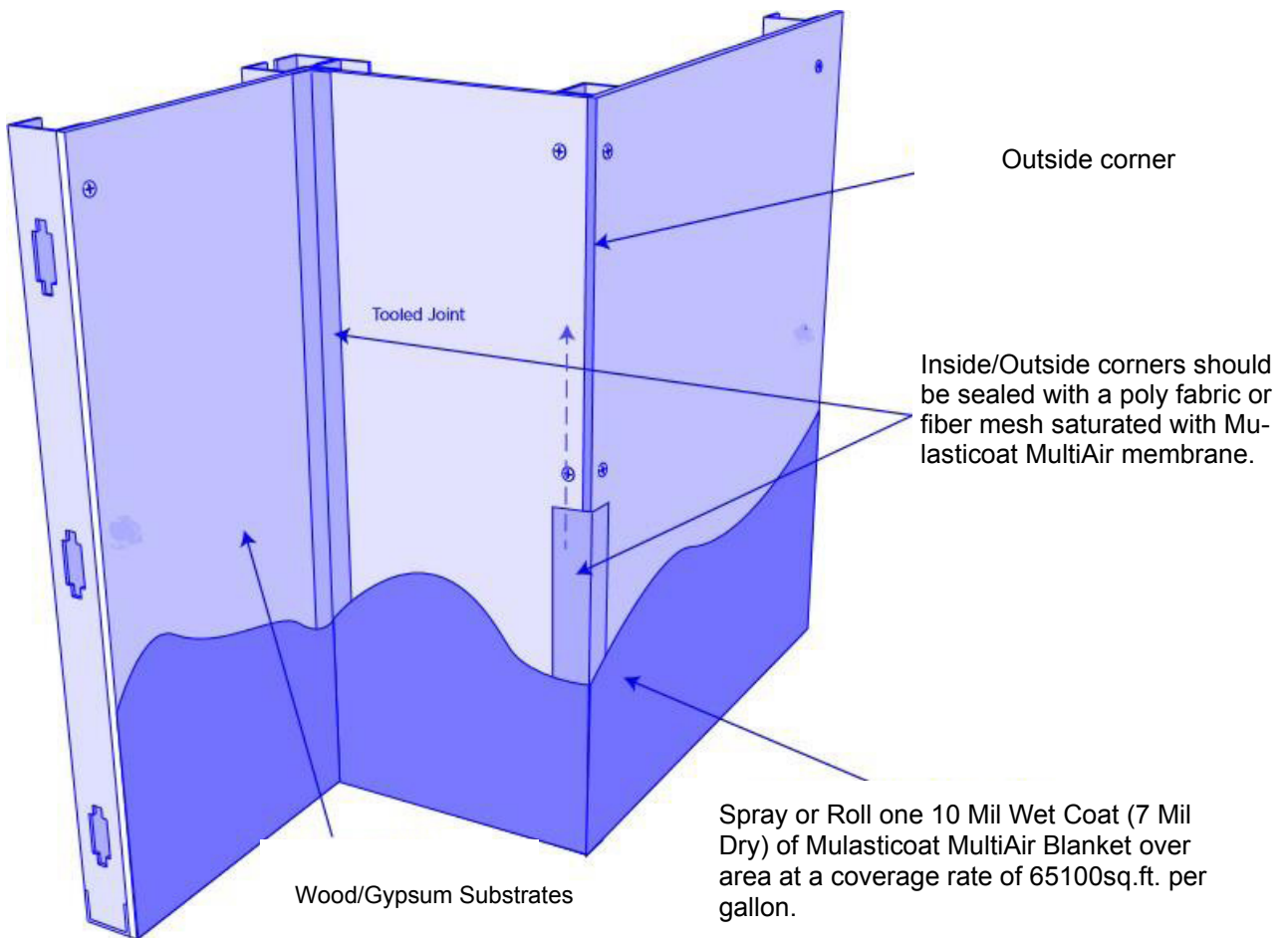
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# MULTI-AIR BLANKET

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## Inside / Outside Wall Corners



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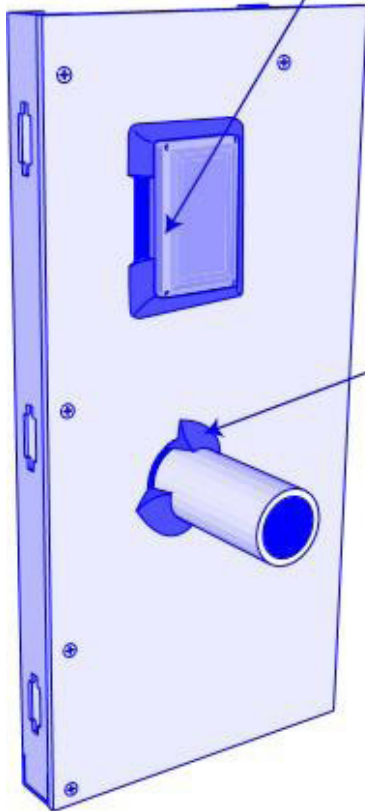


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## Pipe and Mechanical Penetrations

Step 1: Install nongassing closed cell backer rod backed by spray foam to form a back dam, then caulked with joint and seam sealer 1:



Step 2:

Pipe and mechanical penetrations should be sealed with Multicoat's polyester fabric mesh embedded in Mulasticoat.

Electrical Box

Pipe Penetration

Spray or Roll one 10 Mil Wet (7 Mil Dry) coat of Mulasticoat MultiAir Blanket over area to be at a coverage rate of 65100sq.ft. per gallon.

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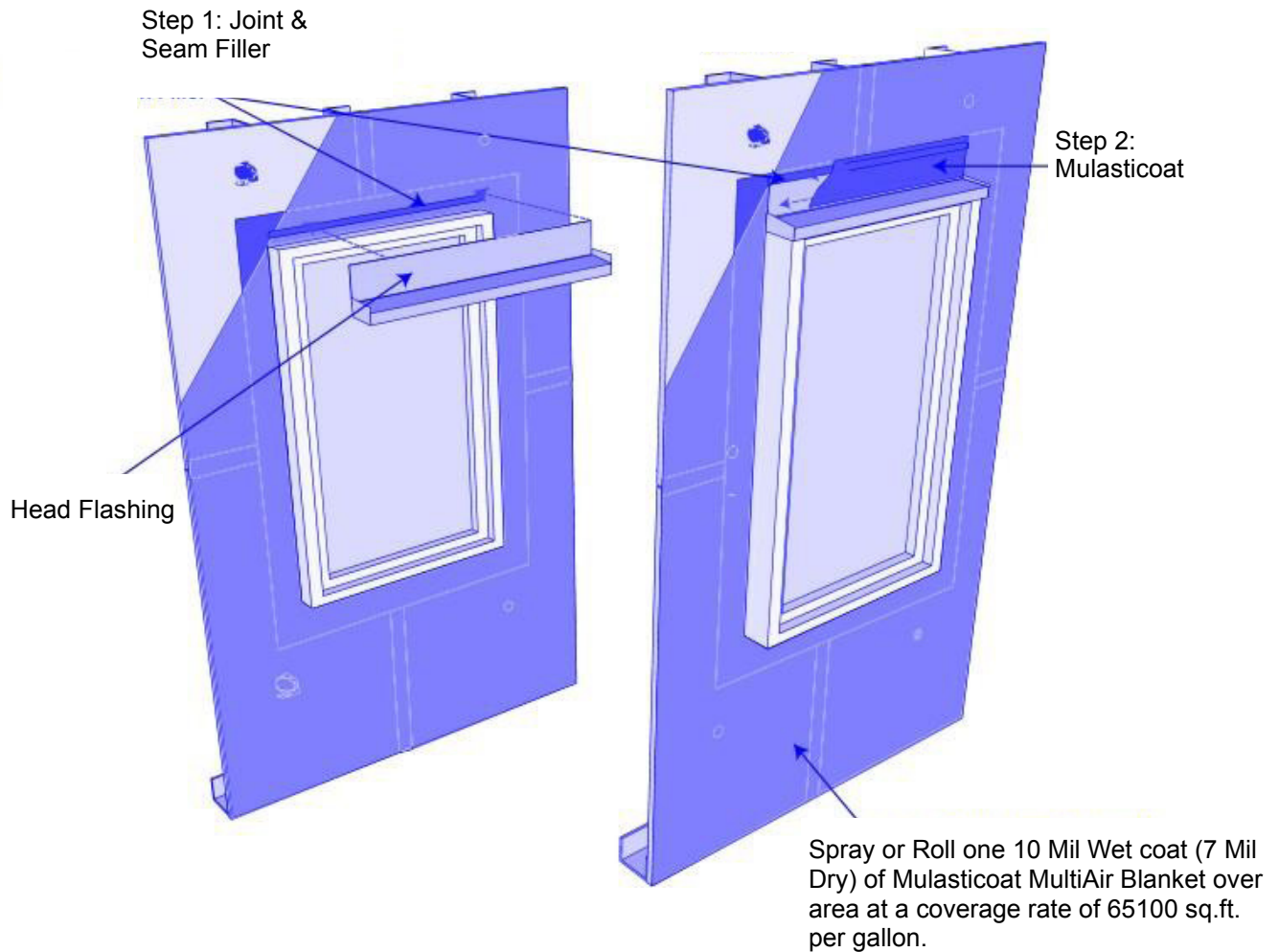
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## Window Head Flashing



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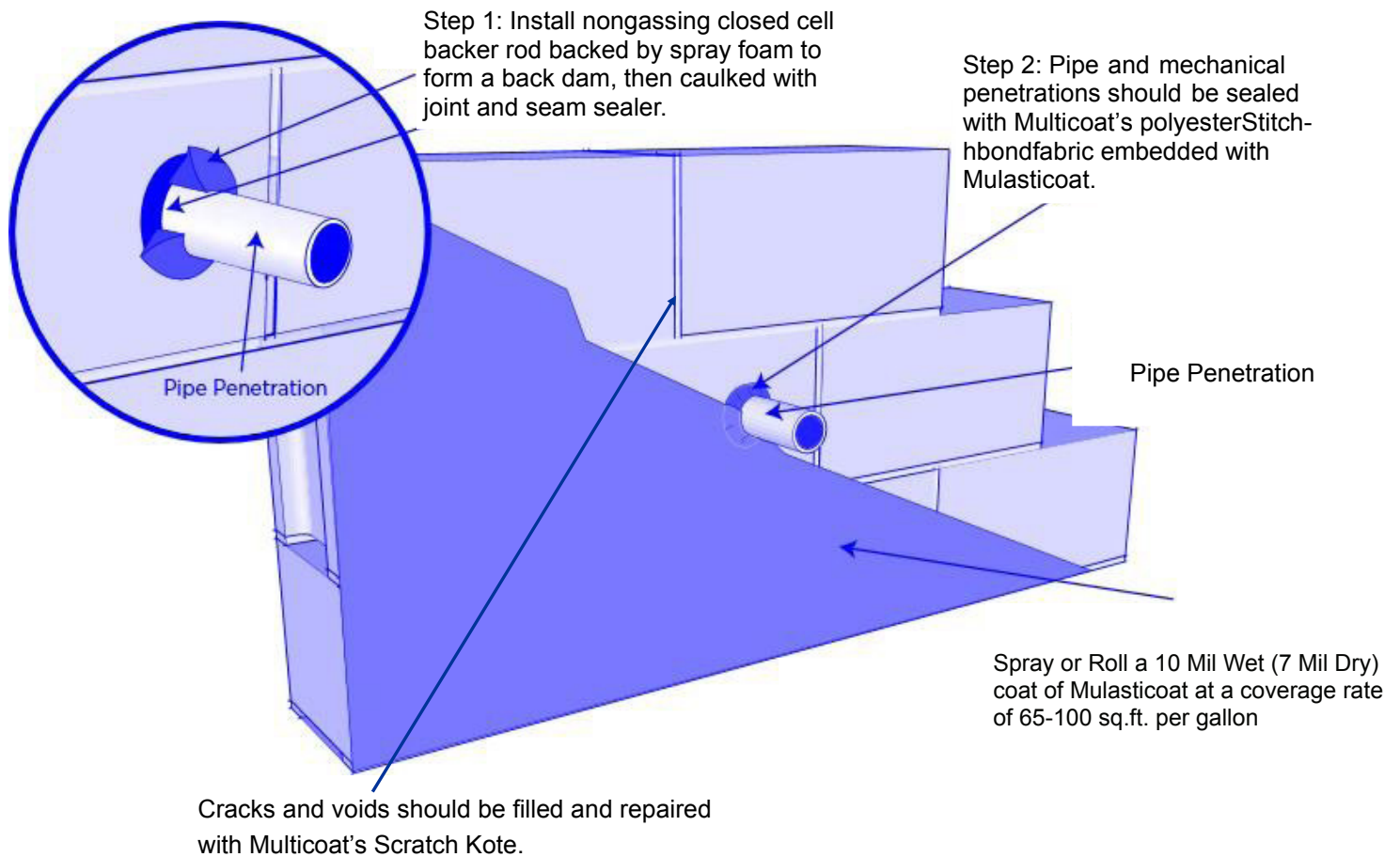
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# MULTI-AIR BLANKET

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## Concrete, CMU Block, etc...



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