

Multi-Purpose Air / Vapor Barrier

DESCRIPTION AND USE:

MULTI-AIR BLANKET uses Multicoat Products Mulasticoat, applied in a one-coat liquid air / vapor barrier membrane. Designed to be applied for the prevention of air and vapor transmission from entering a structure.

ADVANTAGES:

- *Environmentally Friendly
Low VOC
Green Product*
- *Seamless Elastomeric Membrane Moisture Barrier*
- *Reduces Condensation, eliminates mold and mildew*
- *Lower Cost Per Square Foot*
- *Bridges Cracks*
- *Easy Application / Including to ICF Foam*
- *High Flexural Strength, Outstanding Bond Strength*
- *Sealer for Joints and Seams*
- *Non-Flammable*
- *UV resistant*
- *No Primer Needed*



Eliminate rain from your construction scheduling!

BASIC USE:

MULTI-AIR BLANKET is a seamless, fully adhering air and vapor barrier membrane. It is water based and environmentally friendly and can be applied to damp or dry surfaces without the use of primers. 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.

MULTI-AIR BLANKET



APPLICABLE STANDARDS:

MULTI-AIR BLANKET meets or exceeds the most rigorous industry standards for air permeability.

| | | |
|-----------------------|----------------------|---------------------------|
| Hydrostatic Head | AATCC-127 | Pass (96 Hours) |
| Crack Bridging | ASTM C1305 | Pass (1148% Elongation) |
| Nail Sealability | ASTM D1970 -Sec. 7.9 | Pass (With Fabric) |
| Adhesion | ASTM C297 | 162 Cohesive |
| Water Vapor Permeance | ASTM E96 Wet Cup | .0003 Perms |
| Water Penetration | ASTM C1306 | Pass (96 Hours No Effect) |

COLOR:

Blue

PACKAGING:

1 gallon cans, 5 gallon pails, 55 gallon drums, and 275 gallon totes.

COVERAGE:

65 - 100 square feet per gallon depending on the substrate Minimum 10 Wet Mills (7 Dry Mills)

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.

MIXING:

Mulasticoat is supplied in a ready-to-use form and only requires hand mixing prior to use. Do not mechanically mix as entrapment of air may occur. Do not add any material to the Mulasticoat.

APPLICATION:

Wood/Gypsum substrates: Joints, corners, nail holes larger than 1/8" should 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 Multicoat's "SCRATCH KOTE" super-bonding repair mix. Masonry with larger than 1/8th gaps should be parched or may be bridged using Multicoat's Polyester Fabric Mesh. 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 with MULTI-AIR BLANKET and will require no prep work. For joints larger than 1/8", fill joint with expanding foam spray to dam the crevice or seal with a poly fabric or fiber mesh saturated with Mulasticoat.

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.

NOTE: This material is not a finish coat. Once Air Blanket has dried selected exterior material must be applied.

CLEANING:

Clean with warm soapy water immediately after use. Once dried, material will require mechanical means for removal.

DRYING TIME:

MULTI-AIR BLANKET will tack free dry in about 1 hour. Full cure will be realized in 12 to 24 hours.

LIMITATIONS:

Do not apply if precipitation is expected with twelve hours of application. Do not apply if ambient air temperature is 40° F and falling or above 100° F and rising. Do not add other materials to the mixture of the product.

STORAGE:

Store at 40° F to 90° F. Shelf life is approximately 24 months in unopened pails.

WARRANTY:

Materials are guaranteed with respect to uniformity and quality within manufacturer's specifications. Seller makes no other warranty, expressed or implied, regarding the use of its products. Since use of the product is beyond seller's control, the buyer assumes all risks of use. Seller's sole obligation shall be to replace the material if found to be defective. Seller shall not be liable for any damages, injury, loss, direct or consequential, resulting from use of its products.

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MAB01-1006

Multi-Air Blanket Installation Guidelines



Multicoat's MULTI-AIR BLANKET is a seamless, fully adhering air and vapor barrier membrane. It is water-based and environmentally friendly and can be applied to damp or dry surfaces without the use of primers. 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.

ADVANTAGES:

- Environmentally Friendly
- Cleans with Water
- Low VOC
- Non-Flammable
- Seamless Elastomeric Membrane Moisture Barrier
- Reduces Condensation, eliminates mold and mildew
- Lower Cost Per Square Foot
- Bridges Cracks
- Easy Application / Including to ICF Foam
- High Flexural Strength, Outstanding Bond Strength
- Sealer for Joints and Seams
- UV Resistant
- 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.

MIXING:

MULTI-AIR BLANKET (Mulasticoat) is supplied in a ready-to-use form and only requires hand mixing prior to use. Do not mechanically mix as entrapment of air may occur. Do not add any material to the MULTI-AIR BLANKET.

CLEANING:

Clean with warm soapy water immediately after use. Once dried, material will require mechanical means for removal.

DRYING TIME:

MULTI-AIR BLANKET will tack free dry in about 1 hour. Full cure will be realized in 12 to 24 hours.

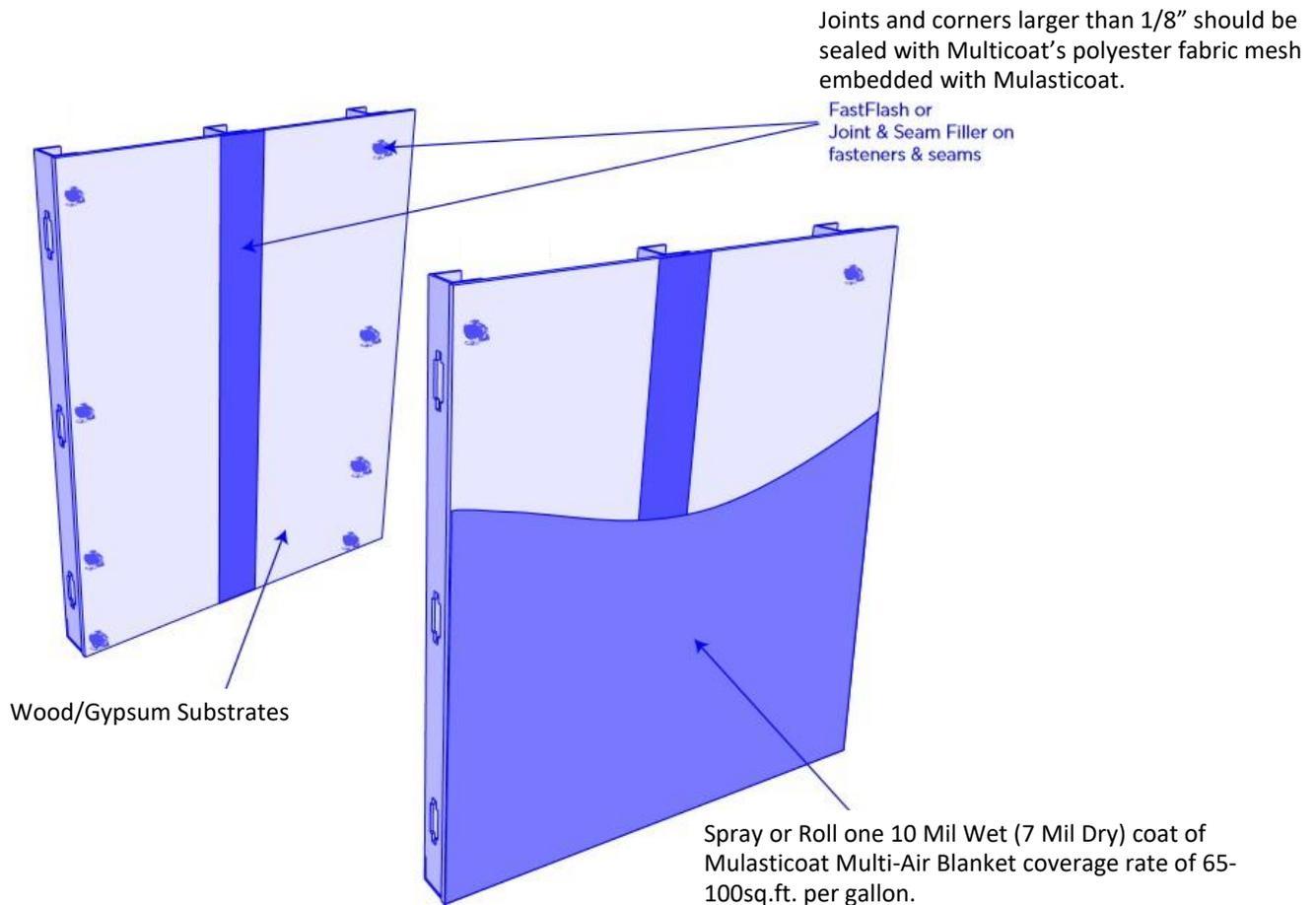
STORAGE:

Store at 40° F to 90° F. Shelf life is approximately 18 months in unopened pails.

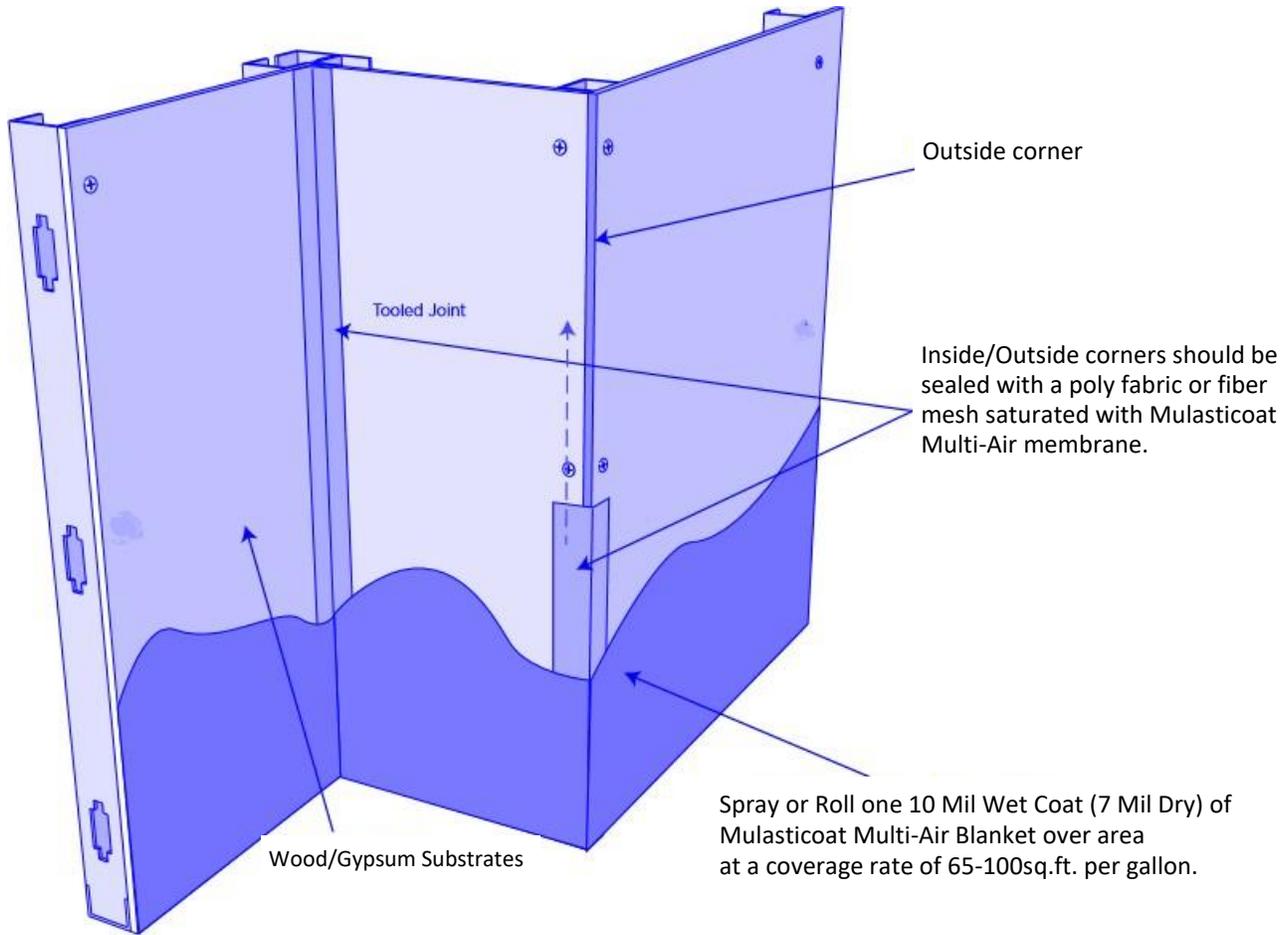
ACCESSORY MATERIALS

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



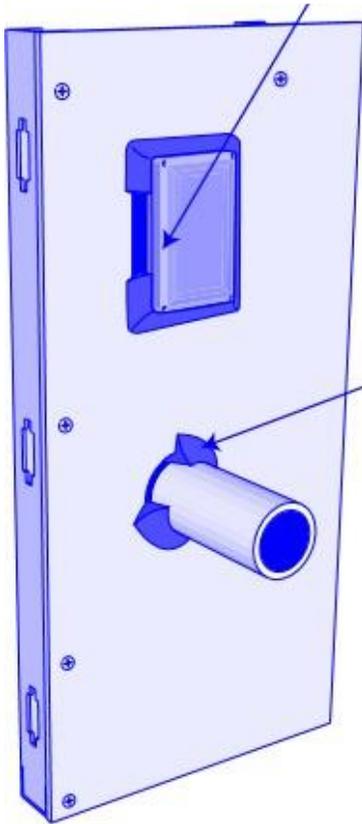
Inside / Outside Wall Corners



Pipe and Mechanical Penetrations

Step 1:

Install non-gassing closed cell backer rod backed by spray foam to form a back dam, then caulked with joint and seam sealer



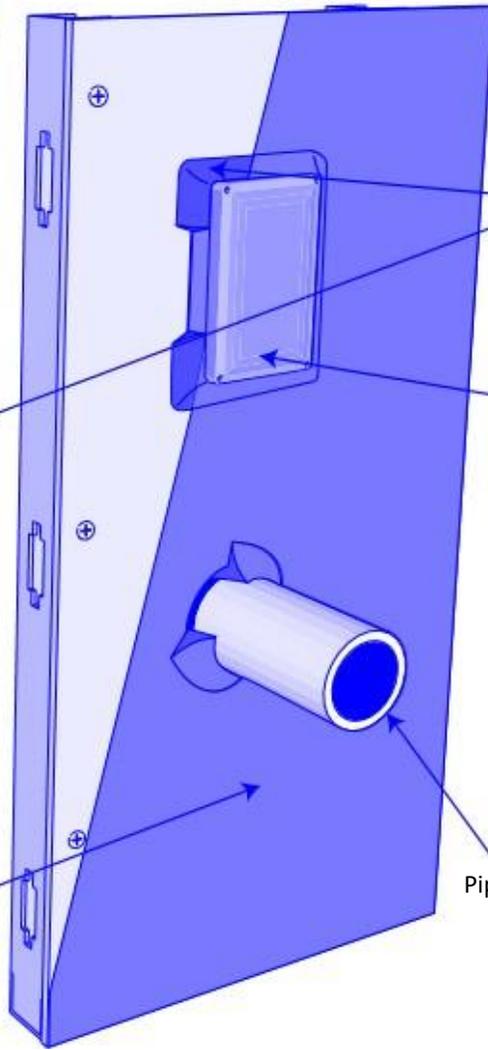
Step 2:

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

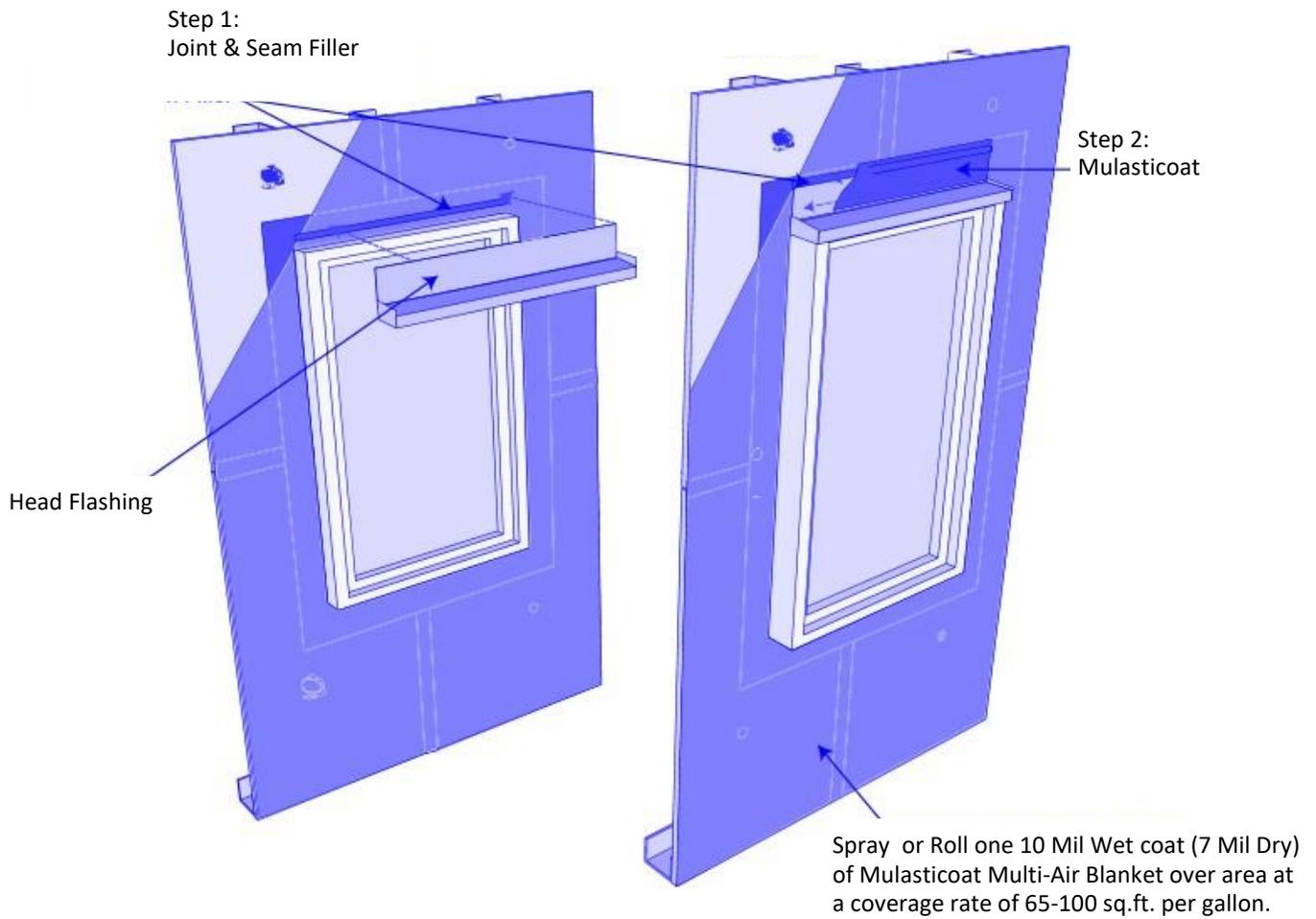
Electrical Box

Pipe Penetration

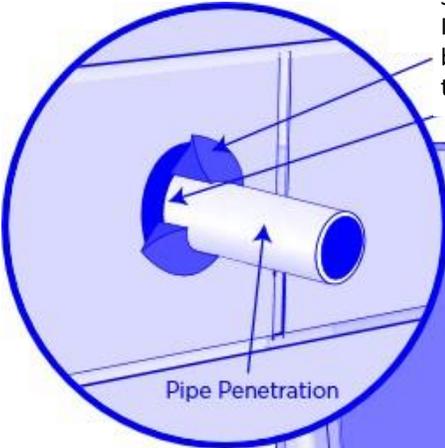
Spray or Roll one 10 Mil Wet (7 Mil Dry) coat of Mulasticoat Multi-Air Blanket over area to be at a coverage rate of 65-100sq.ft. per gallon.



Window Head Flashing

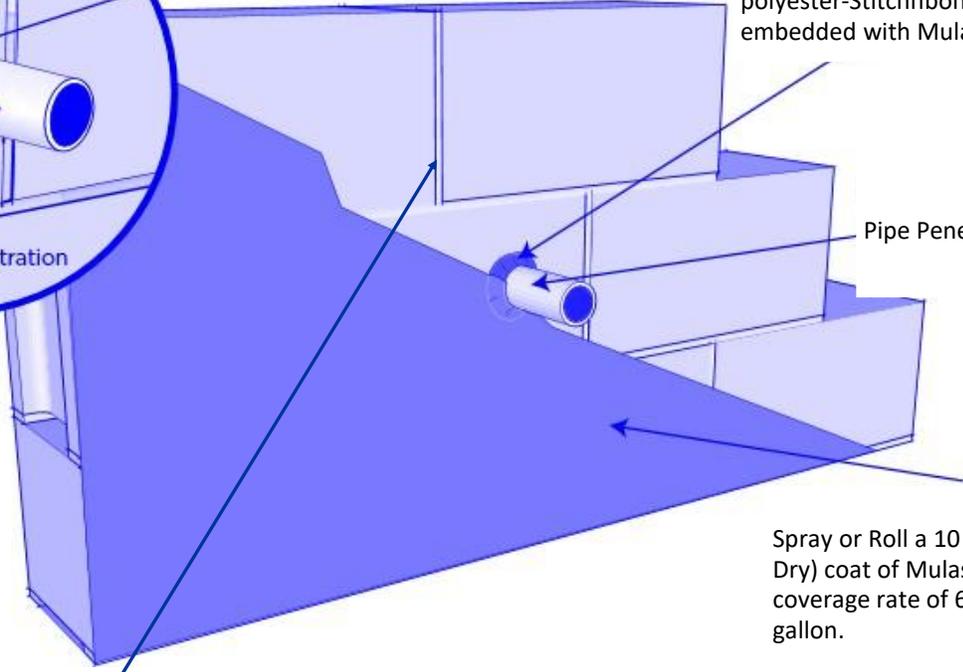


Concrete, CMU Block, etc...



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

Step 2:
Pipe and mechanical penetrations should be sealed with Multicoat's polyester-Stitchbond-fabric embedded with Mulasticoat.



Pipe Penetration

Spray or Roll a 10 Mil Wet (7 Mil Dry) coat of Mulasticoat at a coverage rate of 65-100 sq.ft. per gallon.

Cracks and voids should be filled and repaired with Multicoat's Scratch Kote.



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