



Technical Data Sheet

Description

Ames® Blue Max® Liquid Rubber Waterproofer is the best technology available for waterproofing. The special blend of adhesive elastomeric liquid rubber is ready to apply, and it dries to form a waterproof highly durable elastic monolithic membrane. Blue Max® is ideal for waterproofing below-grade foundation, basements, underlayment's and Insulated Concrete Foundations. Blue Max® is especially effective at invigorating old basements and bearing walls. In addition, for being impervious to standing water. Blue Max penetrates cracks and crevices in liquid form and dries as a durable rubber fortifying wall.

Features and Benefits

- Simple application procedure with no need for special tools or equipment
- Easily coats rough and porous surfaces
- Can be used in high moisture exposed areas
- Self-sealing capabilities around fasteners
- Forms a monolithic vapor, water and air barrier
- Low VOC and environmentally friendly

Uses

- Waterproofing below grade foundations
- Waterproofing basements, foundations, underlayment's and insulated concrete foundation
- Waterproofing primer/basecoat
- Adhesive for difficult substrates of low surface energy (low surface tension)
- Paintable

Substrates and Inspection

All surfaces must be sound and free from spalled areas, loose nails or screws, sharp protrusions or other matter that will hinder the adhesion of regularity of the membrane installation. The surface should also be free from frost, dirt, grease, oil or other contaminants. Clean loose dust and dirt from the surface by brushing or wiping with a clean, dry cloth, brush or broom.

Concrete

Should be cured in place seven days minimum. All surfaces need to be smooth, with sharp protrusions such as cold joints ground flush. Honeycomb and holes/cracks exceeding 1/8" and up to 5/8" across shall be filled with Blue Max Trowel and Caulk.

Concrete Masonry Unit (CMU)

Mortar joints shall be struck flush and shall be free of voids exceeding 1/8" across. Mortar droppings shall be removed from brick ties and all other surfaces accepting Blue Max Liquid Rubber Waterproofer Membrane and accessories. Allow mortar joints to dry a minimum of three days prior to application of the Blue Max® and accessories. the exposure duration or exposure conditions as required by the concrete manufacturer.

OSB, Plywood, Lumber, Pressure-Treated Wood

Wood and wood sheathing need to be flush at joints with gaps between boards according to building codes and manufacturers requirements. Moisture content, measured with a wood moisture meter in the core of the substrate, requirement is below 20%. Do not cover any wooden materials with Blue Max® and/or accessories if moisture content is 20% or above.

Curing of Product

- Blue Max® Liquid Rubber Waterproofer is dry when it turns deep dark blue, with no visible light blue color
- Variations in dry time can be expected in high humidity and low temperatures.
- Full cure is typically achieved in 7-10 days

Inspection, Testing and Repair

- Inspect Blue Max® thoroughly for pinholes, blisters or other voids in the membrane
- If defects are detected re-apply monolithic coating until specified minimum film thickness is achieved
- If on site adhesion testing is required ASTM D4541 standard test for pull off strength of coatings using a potable adhesion tester is recommended.



Ames® Blue Max® Liquid Rubber Waterproofer Original Blue

Limitations

- Do not allow product to freeze in shipping, storage or during cure
- Do not apply in inclement weather, when rain is expected
- Do not apply over wet substrates
- Do not apply if temperature is expected to drop below 32° F (0° C) within 24 hours of application
- Do not install in high heat areas of 180° F (82° C) or above
- Blue Max® is not suitable for permanent exposure and should be protected from the effects of sunlight as soon as possible after application
- Do not use as a wear surface.

Clean Up

Promptly clean uncured material from hands, tools, surfaces and spray equipment with a solution of warm tap water and soap.

Application Methods

- Spray
- Brush
- Roller

Spray Application

- Airless Equipment sizing should be a flow rate of 1.5 to 2 GPM, 2500 to 3000psi, Heavy Duty Reverse-clean tip (without diffuser pin) sizes 629 (12" fan .029 orifice size) to 633 (12" fan -033 orifice size) Hose size ¾" reduced to ½" before connection to gun swivel
- If airless has a machine filter in addition to the intake rock screen we recommend either a 40-mesh filter or temporarily removing the machine filter cartridge altogether.
- Airless equipment should be cleaned after use without delay.

Health & Safety

- Use hand and eye protection when using this product
- Wash with soap and water after contact with skin
- If eye contact occurs rinse with clean water and seek medical advice if symptoms continue
- Keep out of the reach of children

Protection

- Blue Max® is not suitable for permanent exposure and should be protected from the effects of sunlight as soon as possible after application
- Topcoat or permanently cover for protection from UV light

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Ames® Blue Max® Liquid Rubber Waterproofer Original Blue

Typical Physical and Performance Properties

Color.....	Translucent Blue
Mold and Mildew resistance.....	ANSI 118.10 Section 4.1 No Growth
Vapor Permeability.....	ASTM E96 Desiccant Method 0.117 perms, Water Method 0.49 perms
Air Permeance.....	ASTM E2178 Air Permeance 0.00010 cfm/ft ² at 1.56lb/ft ²
Seam Strength.....	ANSI 118.10 Section 4.2 114 lb./in-Perpendicular to Seam 46.3 lb./in-Parallel to Seam
Breaking strength.....	ANSI 118.10 Section 4.3 1.540 psi Machine direction 512 psi Cross Direction
Dimensional Stability.....	ANSI 118.10 Section 4.4 – 0.17% (70°C) -0.17% (-26°C)
Adhesion to DensGlas.....	ASTM D4541 Method B 43.3psi exceeds minimum
Adhesion to CMU.....	ASTM D4541 Method B 80.2psi exceeds minimum
Adhesion to Hardie Board.....	ASTM D4541 Method B 198.8psi exceeds minimum
Self-Sealability.....	ASTM D1970 Section 7.9 No water found underside of nails
Hydrostatic Pressure Test.....	PASS ATCC 127-17 55 cm head pressure for 5 hours. ANSI 118.10 Section 4.5 No leaks post 48 Hours Pass
Shear Strength.....	ANSI 110.10 Section 5.0 138 psi (7-day) 89.4 psi (7-day water immersion) 125 psi (Four –Week) 140 psi (Twelve-Week) 76.6 psi (100-day water immersion)
Elongation.....	ASTM D2370 up to 1200%.
Viscosity.....	ASTM D2196 4100-5100 cps spindle. #6 @100 rpm
pH as shipped.....	ASTM E70 9.0-9.5
Weight per gallon.....	ASTM D1475 8.36 lbs./gal
Humidity.....	Best applied at 50% humidity or below.
Freeze/Thaw Stability Test of Dried Material.....	At -35° F, Blue Max Liquid Rubber passes 180-degree bend test.
Flash point.....	ASTM D93 >200 ° F. (estimated)
VOC Content.....	Less than 1 gram per liter.

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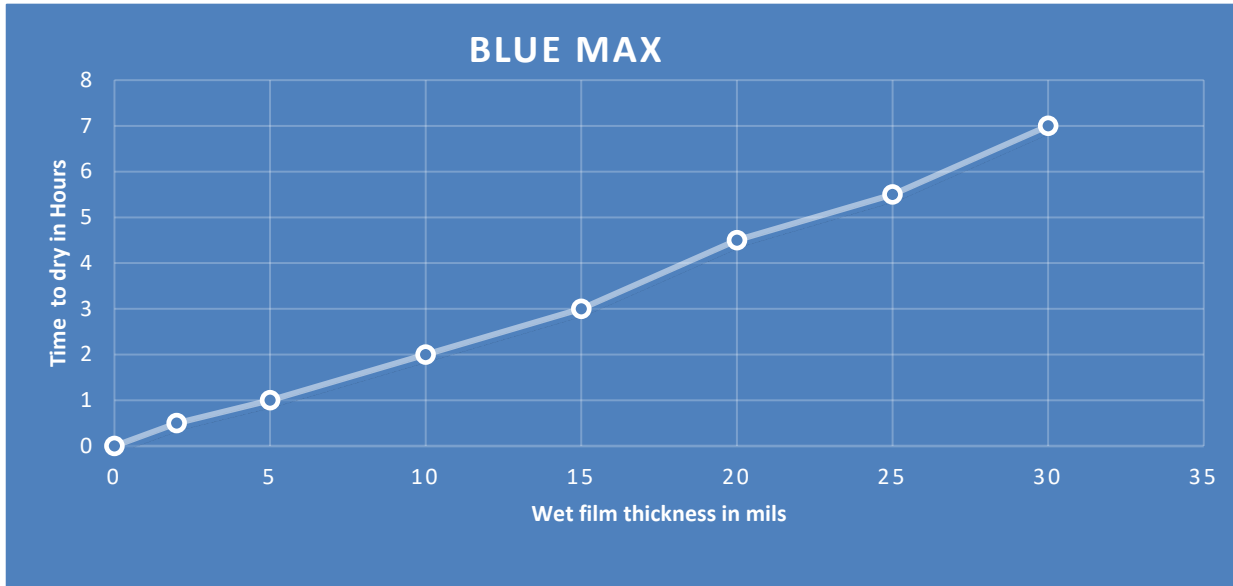
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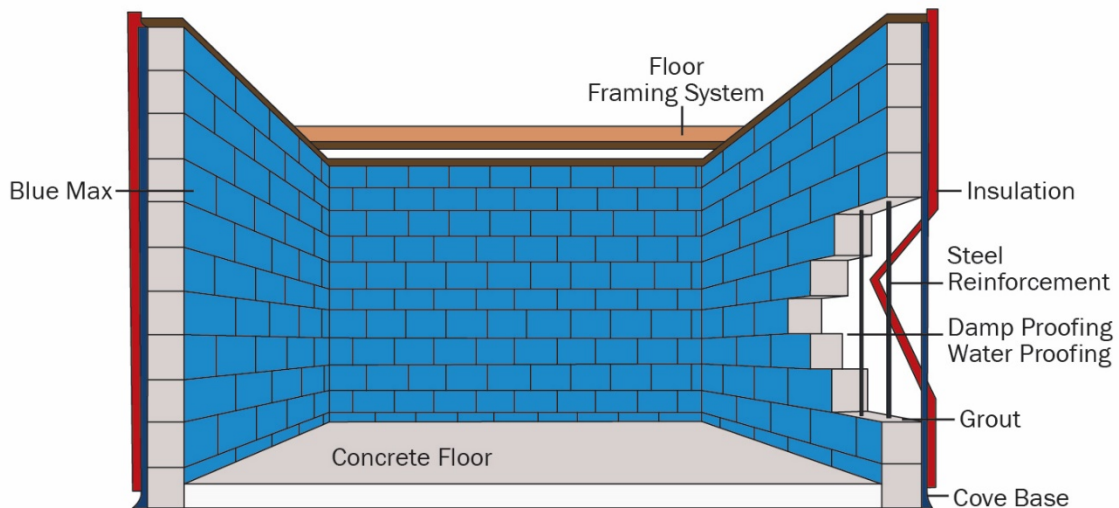


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Size	Coverage
Blue Max Liquid Rubber Waterproofer	
1.0 Gallon	100 square ft
Minimum application requirement is 2 coats at 1.0 gallon per 100 square feet	

BASEMENT



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