



**LAZER BLOCK SEAL +PLUS
PRODUCT DATA**

PRODUCT DESCRIPTION:

LAZER BLOCK SEAL +PLUS is a textured liquid applied flashing. An elastomeric acrylic waterproofing, adhesive, insulation ceramic, primer block sealer. It is a water borne, latex based, high resin content formula with ceramic pigments that seals, primes most surfaces preparing it for a topcoat. It is a waterproofing primer sealer that will bond, seal and help Insulate most any new or existing exterior surface. The high resin content provides excellent adhesion to the surface then forming a tight bond to the finish coat. The bond that is formed between LAZER BLOCK SEAL +PLUS and the finish coat eliminates any possibility of moisture under the finish coat thus extending the coatings life considerably. LAZER BLOCK SEAL +PLUS is available in off white that absorbs heat allowing it to dry faster.

PRODUCT USES:

LAZER BLOCK SEAL +PLUS can be used to produce a highly durable waterproof, seamless, elastomeric flashing membrane around windows and doors. Excellent adhesion on most any surface including: weathered wood, shakes, plywood, clapboard, primed metal, galvanized, aluminum, tin, cooper. Asbestos, asphalt, urethane, polyester, adobe, brick, stucco, concrete, clay, masonry, slate, slab, and various other substrates. For use on residential, commercial, and industrial applications. Product is pre-textured to receive stucco.

SURFACE PREPARATION:

For proper adhesion it is essential that the surface is prepared properly. Clean exterior surfaces thoroughly pressure-washing with a water and chlorine solution using at least 1500 P.S.I. to remove any previous coatings, dirt, grease, and other foreign materials, especially mold, mildew and algae. LAZER BLOCK SEAL +PLUS will resist mildew growth, but will not kill mildew already on the surface. Rinse thoroughly. Remove loose paint and powdery substances. Patch any holes, cracks, seams, imperfections, etc., with waterproofing caulk and sealant (Bostik Pro-MS50/915 recommended)

METAL: Clean surface of all grease, oil and foreign matter before priming. Rusted metal and uncoated metal must be primed with a metal primer sealer. Use a degreaser on galvanized or coated metals, which have oils or surface treatments. Check LAZER BLOCK SEAL +PLUS adhesion on galvanized or coated metal by applying to a small area and evaluate after 48 hours. If lack of adhesion is present after evaluation, metal must be slightly scuffed without penetrating the coated finish or galvanizing. If applicable, use a compatible metal primer to spot prime the penetrated area, then use LAZER BLOCK SEAL +PLUS with primer for entire coated or galvanized surface.

NOTE: New masonry must age 30 days before priming or you can apply a sealer coat before LAZER BLOCK SEAL +PLUS

APPLICATION PROCEDURE:

Stir well before using. Do not thin, use product as is. Do not apply when temperatures are below 45 degrees Fahrenheit. Can be applied to damp or wet surfaces. Drying time will vary depending on temperature, humidity and location. Spread rate will vary depending on substrate. Apply 10.5 mils wet film thickness. Wait at least 4 hours before applying a compatible paint or coating.

APPLICATION METHODS:

Product can be applied using a brush, roller or spray. Hopper type spray equipment is recommended. Spread uniformly. If desired surface texture is not achieved, wait at least 12 hours, then, if needed, apply a second coat of LAZER BLOCK SEAL +PLUS.

CLEAN UP:

Clean all spills and tools immediately after use while coating is wet with warm soapy water.

WARRANTY:

Lazer warrants its products to be free from defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Lazer makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Lazer products. Lazer's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of Lazer products proven to be defective, and Lazer shall not be liable for any loss or damage.

COLOR	OFF-WHITE
FINISH	MATE
VEHICLE TYPE	COPOLYMER EMULSION
SOLIDS BY WEIGHT	50% +/- 1%
GALLON WEIGHT	10.95LBS
DRY TO TOUCH	1 HOUR
RECOAT	4 HOURS
FULL CURE	4 HOURS
SIZES	5 GALLONS AND 55 GALLONS
V.O.C.'s	<25 g/l
LIQUID APPLIED FLASHING AAMA – 714	PASS

NOTE: Product can be exposed up to 90 days. After 30 days of exposure, prior to covering, surface area should be rinsed off and second coat can be applied if necessary.



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Testing was completed as required in AAMA 714-19 *Voluntary Specification for Liquid-Applied flashing used to create a Water resistive Seal around Exterior Wall Openings in Buildings*. Test methods assigned or referenced include: AAMA711 *Voluntary Specification for Self -Adhering Flashing Used for Installation of Exterior Wall Fenestration Products*, ASTM C794 *Standard Test Method for Adhesion-in-Peel of Elastomeric Joint Sealants*, ASTM C1305 *Standard Test Method for Crack Bridging Ability of Liquid-Applied Waterproofing Membrane*, and ASTM E96/E96 *Standard Practice for Test Methods for Water Vapor Transmission of Materials*, ASTM G154 *Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials*, and UCC-ES AC212 *Acceptance Criteria for Water-Resistive Coatings used as Water-Resistive Barriers over Exterior Sheathing*.

PROPERTY	TEST METHOD	RESULT	REQUIREMENT
Adhesive Strength to Substrates (lbf) 3 specimens; 1"; Cure 7d @ 73.4±3.6°F & 50±5%RH followed by; Test Cond. 73.4±3.6°F & 50±5%RH; Rate 2.0"/min	ASTM C 794		
Concrete Masonry Units (CMU)		PASS	>5
Cement Mortar Slabs		PASS	>5
Plywood (APA Grade Exposure 1)		PASS	>5
OSB ¹		PASS	>5
Water Penetration Around Nails [Pass/Fail] 5 specimens; 4" x 4" (applied to plywood); Two 1-1/4" roofing nails placed near center of specimen; Cond. 24h @ standard conditions; Test 1.2inw.c. @ 40±5°F for 24h; Visual Inspection for water infiltration	AAMA 711/ ASTM D 1970 Section 7.9	PASS	PASS
Bottom Can: [Water/No Water]		PASS	NO WATER
Nail Shank; [Water/No Water]		PASS	NO WATER
Underside of plywood; {Water/No Water}		PASS	NO WATER
Water Penetration Around Nails [Pass/Fail] 5 specimens; 4" x 4" (bonded to plywood); Two 1-1/4" roofing nails placed near center of specimen; Cond. 24h @ 73.4±3.6°F & 50±5% RH followed by; 10 cycles; 8h @ 120±2°F followed by 16h @ -40±2°F Test 1.2inw.c. @ 40±5°F for 24h; Visual Inspection for water infiltration	AAMA 711/ ASTM D 1970 Section 7.9	PASS	PASS
Bottom Can: [Water/No Water]		PASS	NO WATER
Nail Shank; [Water/No Water]		PASS	NO WATER
Underside of plywood; {Water/No Water}		PASS	NO WATER
Accelerated Aging (lbf/in) 3 specimens; 1"; Cement Mortar Slab Cond. vertically 24h @ 73.4±3.6°F; Cond. 336h ASTM G 154 UVA Cycle 1; Test Cond. 73.4±3.6°F & 50±5%RH; Rate 2.0"/min	ASTM G 154 ASTM C 794	PASS	>5
Visual examination {Pass/Fail}		PASS	No change to appearance
Elevated Temperature (lbf/in) 3 specimens; 1" wide; Cement Mortar Slab Cond. vertically 24h @ 73.4±3.6°F; Cond. 7d @ 80°C; Test Cond. 73.4±3.6°F & 50±5%RH; Rate 2.0"/min	AAMA 714 ASTM C 794 Level 3		
Visual examination {Pass/Fail}		PASS	No change to appearance

Thermal Cycling (lbf/in) 3 specimens; 1"; Cement Mortar Slab Cond. vertically 24h @ 73.4±3.6°F; Cond. 8h @ 50±1°C followed by; Cond. 16h @ -40±1°C: total of 10 Cycle; Test Cond. 73.4±3.6°F & 50±5%RH; Rate 2.0"/min	AAMA 714 ASTM C 794	PASS	>5
Visual examination {Pass/Fail}		PASS	No change to appearance
Crack Bridging Ability, Category I [Pass/Fail] 5 specimens; 51mm x 51mm x 20mil application; Cond. 14d @ 23±2°C & 50±10%RH to cure film; Cond. 7d @ 70±2°C; Test 10 cycles @ -26°C; Test Rate = 3.2mm/h from 0.0mm to 3.2mm Expose to 550 ml head of water for 24h extended position	ASTM C 1305/ AAMA 714 Section 5.6	PASS	No racking, splitting, pinholes, or other conditions in the area of the joint in the substrates
Water Immersion (lbf) 3 specimens; 1" wide; Cure 21d @ 73.4±3.6°F & 50±5%RH followed by; Immersed in distilled water for 7d @ 73.4±3.6°F Test Cond. 73.4±3.6°F & 50±5%RH; Rate 2.0"/min	AAMA 714 Section 5.7 ASTM C 794		
Anodized Aluminum after Immersion		PASS	>5
Visual examination {Pass/Fail}		PASS	No change to appearance
TEST REQUIREMENTS ON DAMP SURFACES			
Damp Surfaces (lbf) 3 specimens; 1" x 1/16"; substrate immersed for 24h prior to application Cure 7d @ 73.4±3.6°F & 50±5%RH; Test Cond. 73.4±3.6°F & 50±5%RH; Rate 2.0"/min	ASTM C 794		
Damp Cement Mortar Slabs		PASS	>5
Moisture Vapor Permeance (Perms) 3 specimens; Cure 14d @ 23±2°C & 50±10%RH to cure film; Test Cond. 21±1°C & 50±2%RH	ASTM E 96 Procedure B	PASS	>10

Notes: 1-OSB Moisture content = 7%