



# Technical Data Sheet

## Block & Wall™ Liquid Rubber

### Stock Code

BWRF Series

### Packaging Information

- 1 Gallon Pail
- 5 Gallon Pail

### Characteristics

Block & Wall™ Liquid Rubber is a blend of adhesive, high strength, elastomeric, liquid rubber designed for waterproofing basement walls and below grade foundations. With up to 1800% elongation, Block & Wall Liquid Rubber adheres to concrete, galvanized steel, aluminum, and plywood. Block & Wall Liquid Rubber dries to a tough elastic membrane that resists cracking and peeling.

VOLUME SOLIDS	41% ± 2%
WEIGHT SOLIDS	45% ± 2%
COLOR	White
DRY TIME	24 hours between coats
CURE TIME	7-10 days
COVERAGE	1 gallon per 100 sq. ft. per coat (2 coats recommended)
DRY FILM THICKNESS (@ 1 GAL/100 SQ. FEET)	6 mils per coat (Minimum of 2 coats)
ELONGATION	ASTM D2370 up to 1800% at 20 mils DFT
FINISH	Semi-Gloss
FLASH POINT	>200° F
HUMIDITY	Best applied at 50% humidity or below
MOLD & MILDEW RESISTANCE	No Growth
PH AS SHIPPED	ASTM E70 8.50-9.0
TENSILE STRENGTH	ASTM D2370 up to 200 psi at 20 mils DFT
SHELF LIFE	24 Months Unopened
V.O.C CONTENT	< 10 g/l
VAPOR PERMEABILITY	ASTM E96 Desiccant Method 0.10 perms
VEHICLE TYPE	Styrene Butadiene
VISCOSITY	ASTM D2196 Brookfield Spindle #6 @100 rpm 5000-6000 cps
ADHESION	Cross hatch adhesion dry 0% loss of adhesion on galvanized steel, treated & untreated aluminum, concrete, & plywood

### Compliance

SCAQMD	Yes
OTC & OTC PHASE II	Yes
CARB & CARB SCM 2007	Yes
LEED® V4 & V4.1 EMISSIONS	Yes
LEED® V4& V4.1	Yes

### Surface Preparation

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

### Concrete

Should be cured in place 28 days minimum. All surfaces need to be smooth, with sharp protrusions such as cold joints ground flush. Honeycomb, holes, cracks, and joints exceeding 1/8" and up to 5/8" across should be filled with Blue Max® Trowel or Blue Max Caulk.

### Concrete Masonry Unit (CMU)

Mortar joints shall be struck flush and free of voids exceeding 1/8" across. Mortar droppings shall be removed from brick ties and all other surfaces accepting Block & Wall Liquid Rubber and accessories. Allow mortar joints to dry a minimum of 28 days prior to application.

### 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 manufacturer 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 Block & Wall Liquid Rubber and/or accessories if moisture content is 20% or above.

### Application Methods

Apply between 50° - 90° F on a warm dry surface. Surface temperature must be 5° F higher than the dew point and rising.

- **Brush:** Nylon/polyester
- **Roller:** 3/8" - 1/2" nap nylon/polyester
- **Sprayer:** Always use airless equipment
  - **Small Projects** – Flow rate of 0.60 GPM (i.e. Graco 495 airless). 2500 - 3000 PSI. Tip size 412 (8" fan 0.012 orifice size) to 521 (10" fan 0.021 orifice size). Hose size 3/4"
  - **Large Projects** Flow rate of 1.0 - 2.0 GPM (i.e. Graco 695 airless). 2500 to 3000 PSI. Tip size 417 (8" fan 0.017 orifice size) to 625 (12" fan 0.025 orifice size). Hose size 3/4" to 3/8"

### Application Instructions

Review product Application Guide before proceeding. Contact Ames Research Laboratories Technical Service Representatives for questions pertaining to the coating system application and required coating film thickness. Conduct a test patch to ensure proper adhesion.

- Block & Wall Liquid Rubber must be top coated with a high-quality acrylic paint for all exterior exposures. On interior surfaces Block & Wall Rubber must be top coated with a high-quality acrylic paint for washability
- Do not apply if the temperature is expected to drop below 32° F within 24 hours of application.
- Do not apply in high heat areas of 180° F
- Do not apply over wet substrates

### Disclaimer

The information and specifications set forth in this Technical Data Sheet are based on tests conducted by or on behalf of Ames Research Laboratories, Inc. All information is subject to change and pertains to the product available at time of publication. Please contact Ames Research Laboratories to receive the most recent Technical Data Sheet.

### Clean-up, Storage & Disposal

- Clean up application equipment, tools, spills, hands immediately after use with water
- Store unused product in the original container tightly sealed
- Dispose of this product in accordance with local, state, or federal requirements
- Protect from freezing

### Cautions

- Do not take internally
- Keep out of reach of children
- Avoid contact with skin and eyes
- 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

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