HYDROBLOC® ELASTOMERIC WATERPROOFING MEMBRANE

Technical Data Sheet

Water-Based • Ultra-Low VOC • Professional Use Only

AVAILABLE COLORS:

- Gray (standard / most popular)
- Black
- Big Red

**color does not affect performance or application requirements.*

PRODUCT DESCRIPTION:

HydroBloc® is a single-component, water-based **elastomeric waterproofing membrane** designed to form a seamless, flexible, rubber-like **continuous elastomeric membrane** on concrete and masonry substrates. When cured, HydroBloc® provides excellent adhesion, crack-bridging capability, and long-term resistance to water intrusion.

HydroBloc® is designed for positive-side waterproofing applications such as showers, interior wet areas, balconies, the back side of retaining and planter walls, and below-grade construction, when installed in accordance with published instructions.

FEATURES & BENEFITS:

- Flexible, elastomeric waterproofing membrane
- Excellent adhesion to concrete and CMU substrates
- Low water absorption
- Ultra-low VOC formulation
- Brush, roller, or airless spray application
- Easy water clean-up

USES:

- Shower walls and interior wet areas
- Bathrooms, wet rooms, and tub surrounds
- New build or existing balconies
- Below-grade concrete walls and foundations
- Planters and retaining walls
- Under ceramic tile, porcelain, and stone
- Positive-side waterproofing applications

STANDARDS & COMPLIANCE

- **ASTM C836** – Liquid-Applied Elastomeric Waterproofing Membrane
- **ASTM D412** – Tensile Strength & Elongation
- **ASTM D3273** – Resistance to Mold Growth
- **ANSI A118.10** – Waterproofing Membrane for Thin-Set Ceramic Tile Assemblies *(system dependent)*
- **ANSI A118.12** – Crack Isolation Membrane *(thickness dependent, optional)*
- VOC compliant with **CARB** and **SCAQMD Rule 1113**

PHYSICAL PROPERTIES (TYPICAL)

Property	Test Method	Typical Result
Color	Visual	Gray, Black, Red
Solids by Weight	ASTM D2369	High
VOC Content	EPA Method 24	<5 g/L
Tensile Strength	ASTM D412	Meets requirements
Elongation Crack	ASTM D412	Meets requirements
Bridging	ASTM C836	Pass
Low-Temperature Flexibility	ASTM C836	Pass
Mold & Fungal Resistance	ASTM D3273	**Rating: 10**

Values are typical and not intended as acceptance limits.

ANTIMICROBIAL / MOLD & FUNGUS RESISTANCE

HydroBloc® contains built-in antimicrobial additives designed to inhibit the growth of mold, mildew, and fungus on the **cured waterproofing membrane**.

When evaluated in accordance with **ASTM D3273**, HydroBloc® achieves a **rating of 10**, indicating no visible fungal growth on the membrane surface under laboratory test conditions.

Important Clarification

- Antimicrobial protection applies only to the membrane itself
- Does not prevent mold growth on dirt, dust, soap residue, grout, or other organic materials
- Proper surface preparation, drainage, ventilation, and system design are essential

SUITABLE SUBSTRATES

- Cast-in-place concrete
- Concrete masonry units (CMU)
- Cementitious toppings and overlays
- Mortar beds and cement backer board
- Existing balconies and decks *(sound and well-bonded only; system dependent)*

SURFACE PREPARATION

All surfaces must be structurally sound, clean, and free of dirt, dust, oil, grease, curing compounds, sealers, coatings, or other bond-inhibiting materials. Mechanical preparation such as grinding, shot blasting, or pressure washing (**minimum 3,500 psi**) may be required.

- **Block walls (CMU):** All mortar joints must be filled flush prior to application
- **Cast-in-place concrete:** Only **water-based form release agents** may be used. Oil-based form releases must be removed using Classic CW305 Eco cleaner and thoroughly removed prior to application, read full TDS

Repair cracks, voids, honeycombing, and spalls using compatible cementitious materials. Concrete should be cured (28 days recommended). Dampen porous substrates; do not apply to standing water.

REINFORCEMENT FABRIC (SYSTEM-SPECIFIC)

Showers, Interior Walls & Vertical Applications

- **Reinforcement: HydroBloc® Repair Fabric – RF-692 Series** *(non-woven polyester)*
- **Sizes:**
- **RF-450692** – 4" × 50' Reinforcing Fabric
  Used at corners, changes of plane, penetrations, and joints in shower walls and interior wet-area applications.
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- **RF-8150692** – 8" × 150' Reinforcing Fabric
  Used at corners, joints, transitions, and terminations in block walls and below-grade waterproofing applications.
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  Overlap fabric edges a minimum of 3 inches. Immediately top coat to fully encapsulate.

BALCONIES & DECKS

- **CFM-151 Fiberglass Mesh** – 38" × 150'
  Used as full-field reinforcement for balcony waterproofing applications.
- **Reinforcement:** 38" × 150' fiberglass fiber mesh
- **Installation:** Embed mesh into wet membrane.
  Overlap all adjoining mesh edges a minimum of 3 inches.
  Fully encapsulate to achieve specified film thickness.

APPLICATION

Apply HydroBloc® by brush, roller, or airless spray.

- Apply **two full coats** or **one heavy spray application** to achieve the specified film build
- **Roller:** ¾" nap, fully loaded
- **Airless spray:** Tip size **.025"–.027"**

Coverage Calibration (Recommended)

To verify proper application rate, apply one **5-gallon pail evenly over a 200 sq ft test area**. Strictly adhere to coverage requirements, especially on vertical surfaces such as foundation and retaining walls.

For below-grade applications, incorporate **LastoDrain or an equivalent drainage mat** as part of the waterproofing system design.

HydroBloc® is intended for **positive-side below-grade waterproofing and underlayment use only**.

APPLICATION THICKNESS

Application	Coats	Wet Film Thickness
Shower walls / interior wet areas	2	20–25 mils per coat
Balconies / decks	2	20–25 mils per coat
Below-grade / planters / retaining walls	2	25–30 mils per coat

COVERAGE (APPROXIMATE)

Coverage varies with surface texture, porosity, and application method.

- Approximately **35–45 sq ft per gallon** to achieve required film thickness
- **Two (2) coats required**

CURING & DRY TIMES *(70°F / 21°C, 50% RH)*

- Dry to touch: 2–4 hours
- Recoat: 4–6 hours
- Tile installation: 24–48 hours after final coat
- Flood testing (showers): Minimum 24 hours after final coat

Cool temperatures and high humidity will extend cure times.

LIMITATIONS

- Not intended for negative-side hydrostatic pressure
- Not designed as a finished wear surface
- Not suitable for vehicular or heavy traffic
- Do not apply below 50°F (10°C) or above 100°F (38°C)
- Protect from rain and freezing during cure
- Do not thin

PACKAGING

- 1-Gallon Pails
- 5-Gallon Pails
- 55-Gallon Drums
- 275-Gallon Totes

CLEAN-UP

Clean tools and equipment with water before material dries.

SAFETY / FIRST AID

KEEP OUT OF REACH OF CHILDREN AND PETS

Wear protective gloves and safety glasses. Use adequate ventilation. When spraying, use an approved respirator.

First Aid

- Eyes: Flush with water for 15 minutes
- Skin: Wash with soap and water
- Inhalation: Move to fresh air
- Ingestion: Do not induce vomiting; seek medical attention

Emergency: U.S. Poison Control – **1-800-222-1222**
Refer to SDS for additional information.

IMPORTANT

Read the full **Technical Data Sheet (TDS)** and **Safety Data Sheet (SDS)** before use.

LIMITED LIABILITY & WARRANTY

HydroBloc® is warranted to be free from manufacturing defects when applied in accordance with published instructions. Liability is limited to replacement of material only. Labor, removal, and consequential damages are excluded. No other warranties, express or implied, are provided.

POSITIONING STATEMENT

HydroBloc® is a professional-grade **elastomeric waterproofing membrane**, with **Gray as the standard and most commonly specified color**, engineered for showers, interior wet areas, balconies, roofs, and below-grade construction when installed as part of an approved system.

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