



#1 CHOICE OF PROFESSIONALS®

Aqua-Bloc® WB

Henry 784

Elastomeric Asphalt Emulsion Waterproofing

Physical Properties: Complies with CAN/CGSB-37.2

-Color	Black	-Low Temperature Flexibility (CAN/CGSB 37.2M)	No cracking, flaking or loss of adhesion
-Solids by Volume	60% (approx.)	-Water Vapor Permeance (ASTM E96)	0.1 perms
-Weight	8.4 lbs/U.S. gal	-Resistance to Hydrostatic Head over 1/8" post formed crack (ASTM D751 modified)	104 feet
-Coverage (per coat)	1.2 to 5 U.S. gal/100 ft ²	-Water Resistance (ASTM D466)	No re-emulsification or loss of adhesion
-Drying Time	@ 50% R.H. & 68°F 24 hours minimum	-Flammability	
-Application Temperature	40°F minimum	Wet	Non-Flammable
-Service Temperature	-40°F to 140°F	Dry	Burns
-Tensile Strength (ASTM D412)	50 psi (typical)	-Chemical Resistance	Resistant to mild acids, alkalis, salt and calcium chloride solutions.
-Elongation (ASTM D412)	2000% (typical)		
-Peel strength after 7 days water immersion (ASTM D3330 Modified)	4.2 lbs./in. (typical)		
-Maximum VOC	10 g/L		

Description

Aqua-Bloc® WB is an elastomeric, liquid applied, emulsified asphalt membrane designed for below grade waterproofing of foundation walls, and other structures. It is design for application by spray, brush, or trowel. Complies with and exceeds the requirements of CAN/CGSB 37.2

Features

- Can be applied to damp or green concrete.
- Perfect for waterproofing ICF (Insulated Concrete Forms) foundation walls.
- Seamless low modulus elastomeric membrane.
- Retains flexibility over a wide temperature range.
- Excellent adhesion to most construction surfaces such as concrete, stone, wood, preserved wood, metal, and polystyrene.
- Bridges cracks.
- Contains no solvent and is environmentally friendly.
- Can be applied in one coat or in multiple coats with reinforcing fabric (CAN/CGSB-37.3).

Uses

Used for waterproofing cast-in-place concrete, CMU block foundation walls, insulated concrete forms (ICF), footings, split slab floors, and retaining walls.

Limitations

Not designed to perform as a permanently exposed surface. Must be protected from damage during construction. Do not apply to excessively wet surfaces. All asphalt emulsions contain a certain amount of asphalt particles requiring that the contractor establish a suitable screening technique for spray applications.

Aqua-Bloc® WB shall not be applied when ambient (air) and substrate temperatures are below 40°F. The product should not be applied if it is raining, or if the possibility of rain is likely within 48 hours. The product should not be applied if it is expected that the ambient temperature will fall below 32°F within 48 hours.

Surface Preparation and Detailing

All surfaces must be sound, clean and free from oil, grease, dirt or other contaminants. Form tie holes, voids, cracks, and cold joints in cast-in-place concrete or masonry shall be filled flush and smooth with a non-shrink cementitious patching material, and allowed to cure for a minimum for 24 hours. Concrete surfaces should be free of excessive fins, voids or honeycomb areas. Detail all joints, cracks, and corners ahead of full membrane application as follows:

Non-moving Cold Joints and Cracks up to 1/16”: Apply **Aqua-Bloc® WB** to a thickness of approximately 30 mils extending coating at least 3” onto each side of cold joint. Ensure **Aqua-Bloc® WB** is forced into cracks to fill any gap or void. Embed a 6” wide strip of **Henry 181** or **183** fiberglass reinforcing mesh into wet coating and apply an additional 30 mils of **Aqua-Bloc® WB**.

Cracks greater than 1/8" wide: Fill with a non-shrink cementitious patching material, and allowed to cure for a minimum for 24 hours. Install **Blueskin® SA** or **WP 200** Self-Adhesive Waterproofing membrane complete with primer, extending a minimum of 3” on each side of crack. Apply firm pressure to entire membrane surface to ensure full contact and bond.

Inside and Outside Corners: Apply **Aqua-Bloc® WB** to a thickness of approximately 30 mils extending coating at least 3” onto each surface. Embed a 6” wide strip of **Henry 181** or **183** fiberglass reinforcing mesh into wet coating forming tightly around or into corner. Apply an additional 30 mils of **Aqua-Bloc® WB** and allow to dry prior to full membrane application.

Application

Single Coat Method - Apply **Aqua-Bloc® WB** by trowel or spray at a rate of 5 gal/100 ft.² to achieve a dry film thickness of approximately 60 mils. Carry membrane over the entire area including previously detailed areas and allow to cure.

Heavy Duty Reinforced Method (CAN/CGSB-37.3) – Apply a prime coat of **Aqua-Bloc® WB** diluted 25% by volume with clean water, at the rate of 1.2 gal/100 ft.² and allow to dry. Apply a ply of **Henry 183 Yellow Glass Fabric** into a coat of **Aqua-Bloc® WB** applied at not less than 1.2 U.S. gal/100ft². Brush **Henry 183 Yellow Glass Fabric** into place with a soft bristle brush to eliminate wrinkles, air pockets or blisters and obtain full contact. Overlap **Henry 183 Yellow Glass Fabric** extending at least 2” at all joints. At all corners, angles and at the junctions of foundation walls and wall footings, reinforce with two extra coats of **Aqua-Bloc® WB** and two plies of **Henry 183 Yellow Glass Fabric** at least four inches each side of the junction. Apply a seal coat of **Aqua-Bloc® WB** over the whole area at not less than 2.4 U.S. gal/100ft².

Curing and Protection - Allow membrane to dry thoroughly. Drying can take 24 to 48 hours at 68 deg. F and 50% RH. Drying time will take longer in lower temperatures or in damp or high humidity conditions. Protect from rain until fully cured. Allow membrane to fully cure prior to installing protection board, drainage composite or backfilling. Protect cured membrane from damage caused by backfilling by using **Henry 1/8” Protection Board** and/or **Henry DB-500 Drainage Composite** prior to commencing backfill.

Clean Up

Uncured material and spray equipment can be cleaned with water. Use mineral spirits to remove dried membrane.

Caution

DO NOT TAKE INTERNALLY! Use protective measures to avoid contact with eyes and skin. If swallowed, CALL PHYSICIAN IMMEDIATELY! In case of eye contact, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. GET MEDICAL ATTENTION! Do not heat container or store at temperatures greater than 120°F. Close container after each use. **KEEP OUT OF REACH OF CHILDREN.**

Limited Warranty

We, the manufacturer, warranty only that this product is free of defects, since many factors which affect the results obtained from this product - such as weather, workmanship, equipment utilized and prior condition of the substrate - are all beyond our control. We will replace at no charge any product proved to be defective within 12 months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. **DISCLAIMER OF WARRANTIES:** The Limited Warranty is IN LIEU OF any other warranties express or implied including but not limited to any implied warranty of MERCHANTABILITY or fitness for a particular purpose, and we, the manufacturer, shall have no further liability of any kind including liability for consequential or incidental damages resulting from any defects or any delays caused by replacement or otherwise. <>