



#1 CHOICE OF PROFESSIONALS®

# AQUA-BLOC® QS – HE72033

Elastomeric Asphalt Emulsion Waterproofing

## Physical Properties

-Color	Black	-Maximum VOC	10 g/l
-Solids by Volume	60% (approx.)	-Low Temperature Flexibility (CAN/CGSB 37.1M)	No cracking, flaking or loss of adhesion
-Weight	1.0 kg/L (8.4 lbs/U.S. gal)	-Water Vapor Permeance (ASTM E96)	6 ng/Pa.m <sup>2</sup> .s (0.1 perms)
-Coverage	2 L/m <sup>2</sup> (5 U.S. gal/100 ft <sup>2</sup> ) for 1.3mm (55 mil) dry film	-Water Resistance (ASTM D466)	No re-emulsification or loss of adhesion
-Setting Time	@ 50% R.H. 68°F	-Flammability	
-Without setting agent	24 hours	Wet	Non-Flammable
-With setting agent	Immediate	Dry	Burns
-Application Temperature	(5°C) 40°F min. preferred	-Chemical Resistance	Resistant to mild acids, alkalis, salt and calcium chloride solutions
-Service Temperature	-40°C to 140°C (40°F to 140°F)		
-Tensile Strength (ASTM D412)	135 kPa (typical) (21 psi)		
-Elongation (ASTM D412)	2000% (typical)		
-Peel strength after 7 days water immersion (ASTM D3330 Modified)	735 N/m (typical) (4.2 lbs./in.)		

## Description

**Aqua-Bloc® QS** is an elastomeric, liquid applied, emulsified asphalt membrane designed for waterproofing foundation walls and other structures. Complies with and exceeds the requirements of CAN/CGSB 37.1M.

## Features

- Seamless low modulus elastomeric membrane
- Retains flexibility over a wide temperature range
- Excellent adhesion to most construction surfaces such as concrete, stone, wood and metal
- Can be applied to damp or green concrete
- Bridges cracks
- Contains no solvent and is environmentally friendly
- Can be applied in one coat with setting agent to achieve immediate set through

## Uses

Used for dampproofing and for waterproofing poured and block foundation walls, footings, split slab floors, parking garage decks and retaining walls for residential construction.

## 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® QS

### Surface Preparation

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All surfaces must be sound, dry, clean and free from oil, grease, dirt or other contaminants. Form tie holes must be filled with cementitious material or asphaltic roofing cement and allowed to cure. Concrete surfaces should be free of excessive fins, voids or spalled areas. Refer to Guide Specification.

**Cracks** up to 1/8" in width: Apply **Aqua-Bloc® SB** (770-06) providing 60 mil coating. Embed 6" wide **Yellow Jacket** reinforcement.

**Cracks** greater than 1/8" wide: Apply **Aqua-Bloc® QS** without setting agent as a prime coat and allow to dry thoroughly. Install **Blueskin® WP 200** Self-Adhesive Waterproofing membrane centered over crack and lapping 3" on each side of crack. Apply firm pressure to entire membrane surface to ensure full contact and bond.

**Cracks** greater than 1/4" in width are not acceptable.

### Application

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For detailed application, refer to Guide Specification.

**Dampproofing:** Apply by brush or spray one coat of **Aqua-Bloc® QS** at a rate of approximately 2 gal/100 ft<sup>2</sup> and allow to dry.

**Waterproofing:** Prepare the setting agent by dissolving Calcium Nitrate granules in water at the rate of 1 lb. of Calcium Nitrate for 9 lbs. of water (10% solution) following the manufacturer's precautions.

Apply membrane by suitable spray equipment to allow complete mixing of the asphalt emulsion and the setting agent at the spray wand tip. The setting agent should be introduced at a rate of approximately 10% to 20% of the emulsion throughput rate. Apply from the low point upward to allow released water to shed. Typically the application starts at the footing and works upward. Cured thickness to be a minimum of 1.3 mm (55 mils).

Protection Board is not required on dampproofing applications. Allow membrane to cure fully prior to installing protection board on waterproofing applications.

### Clean-up

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For uncured material, use water. Use mineral spirits for cured films.

### Caution

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Harmful if swallowed.

### Limited Warranty

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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.