

# Aqua-Bloc<sup>®</sup> 720-38

## Elastomeric Asphalt Emulsion Waterproofing

**Physical Properties:** Complies with CAN/CGSB-37.2-M88, ASTM D1227

-Colour	Black	-Low Temperature Flexibility (CAN/CGSB 37.2M)	No cracking, flaking or loss of adhesion
-Solids by Volume	60% (approx.)	-Water Vapour Permeance (ASTM E96)	10 ng/Pa.m <sup>2</sup> .s (0.2 perms)
-Weight	1.0 kg/L (8.4 lbs/U.S. gal)	-Water Resistance (ASTM D466)	No re-emulsification or loss of adhesion
-Coverage (per coat)	0.5 to 2 L/m <sup>2</sup> (1.2 to 5 U.S. gal/100 ft <sup>2</sup> )	-Hydrostatic Pressure Resistance (ASTM D5385)	Passes 45 psi or 104 ft. at 65 mils
-Drying Time	50% R.H. 20°C (68°F) 24 hours minimum	-Flammability	Wet Dry
-Application Temperature	5°C (40°F) minimum	-Chemical Resistance	Non-Flammable Burns Resistant to mild acids, alkalis, salt and calcium chloride solutions.
-Service Temperature	Minus 40°C to 60°C (-40°F to 140°F)		
-Tensile Strength (ASTM D412)	320 kPa (typical) (50 psi)		
-Elongation (ASTM D412)	2000% (typical)		
-Peel strength after 7 days water immersion (ASTM D3330 Modified)	735 N/m (typical) (4.2 lbs./in.)		
-Maximum VOC	10 g/L		

### Description

**Aqua-Bloc<sup>®</sup> 720-38** 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 37.2

### Features

- 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 insulation (ICF)
- Can be applied to damp or green concrete
- 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 poured and 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<sup>®</sup> 720-38** shall not be applied when ambient (air) and substrate temperatures are below 5°C. The product should not be applied if it is raining, or if the possibility of rain is likely within 16 hours. The product should not be applied if it is expected that the ambient temperature will fall below 0°C within 48 hours.

## **Aqua-Bloc® 720-38 Elastomeric Asphalt Emulsion Waterproofing**

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### **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.

**Cracks up to 3mm (1/8") wide:** Apply **Aqua-Bloc® 720-38** providing 1.5mm (60 mil) coating. Embed 150mm (6") wide **990-06 Yellow Jacket** reinforcement.

**Cracks greater than 3mm (1/8") wide:** Install **Blueskin® WP 200 Self-Adhesive Waterproofing Membrane** complete with primer. Apply firm pressure to entire membrane surface to ensure full contact and bond.

**Cracks greater than 12mm (1/2") in width are not acceptable.**

### **Application**

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**Single Coat Method:** Apply a trowel coat of **Aqua-Bloc® 720-38** at the rate of 2 L/m<sup>2</sup> (5 US gal/100 ft.<sup>2</sup>) over the entire area and allow to cure.

**Heavy Duty Reinforced Method (CAN/CGSB-37.3):** Apply a prime coat of **Aqua-Bloc® 720-38** diluted 25% by volume with clean water, at the rate of 0.5 L/m<sup>2</sup> (1.2 US gal/100 ft.<sup>2</sup>) and allow to dry. Apply each ply of **990-06 Yellow Jacket** into a coat of **Aqua-Bloc® 720-38** applied at not less than 0.5 l/m<sup>2</sup> (1.2 U.S. gal/100ft<sup>2</sup>). Brush **990-06 Yellow Jacket** into place with a soft bristle brush to eliminate wrinkles, air pockets or blisters and obtain full contact. Overlap **990-06 Yellow Jacket** extending at least 50 mm (2") at all joints. At all corners and angles and at the junctions of waterproofing on foundation walls with waterproofing on footings, reinforce with two extra coats of **Aqua-Bloc® 720-38** and two plies of **990-06 Yellow Jacket** at least four inches each side of the junction. Apply a seal coat of **Aqua-Bloc® 720-38** over the whole area at not less than 1 l/m<sup>2</sup> (2.4 U.S. gal/100ft<sup>2</sup>).

**Curing and Protection:** Allow to dry thoroughly and apply protection layer prior to commencing backfill. Protect cured application from damage caused by backfilling by using **990-31 Protection Board** adhered with **Aqua-Bloc® 720-38** in a spot adhered pattern 150 mm (6") o.c..

### **Clean Up**

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For uncured material use water and use mineral spirits for cured films.

### **Caution**

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Harmful if swallowed.

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