

Aqua-Bloc[®] 720-33

Elastomeric Asphalt Emulsion Waterproofing

Physical Properties

-Colour	Black	-Peel strength after 7 days water immersion (ASTM D3330 Modified)	735 N/m (typical) (4.2 lbs./in.)
-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 Vapour Permeance (ASTM E96)	6 ng/Pa.m ² .s (0.1 perms)
-Coverage	2 L/m ² (5 U.S.gal/100ft ²) for 1.3mm (55 mil) dry film	-Water Resistance (ASTM D466)	No re-emulsification or loss of adhesion
-Setting Time Without setting agent	@ 50% R.H. 68°F 24 hours	-Flammability Wet	Non-Flammable
-Setting Time With setting agent	Immediate	-Flammability Dry	Burns
-Application Temperature	(5°C) 40°F min. preferred	-Chemical Resistance	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)	135 kPa (typical) (21 psi)		
-Elongation (ASTM D412)	2000% (typical)		
-Maximum VOC	10 g/L		

Description

Aqua-Bloc[®] 720-33 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.

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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.

Preparation

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" wide: Apply **POLYBITUME® 570-05** providing 60 mil coating. Embed 6" wide **990-06 Yellow Jacket** reinforcement.

Cracks greater than 1/8" wide: Apply **Aqua-Bloc® 720-33** without setting agent as a prime coat and allow to dry thoroughly. Install **Blueskin® WP 200** Self-Adhesive Waterproofing membrane. Apply firm pressure to entire membrane surface to ensure full contact and bond.

Cracks greater than 1/2" in width are not acceptable.

Application

For detailed application, refer to Guide Specification.

Damproofing: Apply by brush or spray one coat of **Aqua-Bloc® 720-33** at a rate of approximately 2 gal/100ft² and allow to dry.

Waterproofing: Prepare the setting agent by dissolving Calcium Nitrate granules in water at the rate of 1lb (1 gal) calcium nitrate for 9 lbs. (9 gal) of water (10% solution) following the manufacturers precautions.

Apply **Aqua-Bloc® 720-33** by suitable spray equipment, complete with proper screening at intake and allow complete mixing of the liquid 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 away from uncoated surfaces. Typically the application starts at the footing and works upward. Cured thickness to be a minimum of 1.3 mm (55 mils).

990-31 Protection Board is not required on damproofing applications. Allow membrane to cure fully prior to installing **990-31 Protection Board** on waterproofing applications.

Clean Up

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

Caution

Harmful if swallowed.

Statement of Responsibility

The technical and application information herein is based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use. Henry Company data sheets are updated on a regular basis; it is the user's responsibility to obtain and to confirm the most recent version. Information contained in this data sheet may change without notice.