

Aquagard Bitumen Emulsion

DESCRIPTION OF PRODUCT

AQUAGARD BITUMEN is a rubber latex modified anionic bitumen emulsion waterproofing compound which is suitable for a wide range of waterproofing applications.

GENERAL PRODUCT INFORMATION

- Appearance: A thick buttery compound, brown in colour
- Colours: Brown whilst wet and dries to black
- Packaging: 5 and 20 litre buckets
- Storage: Shelf life is 12 months in sealed and unopened containers. Product should be stored out of direct sunlight with temperature range between 5-35 degrees C.
- Water vapour permeability: 0,08 g/s. MN (25 degrees C and 75% R.H)
- Specific Gravity: 1.0
- Solids content: 60%
- Weathering test: 500 hours Q.U.V

AREAS OF USE

- Flat concrete roofs
- Metal roof repairs
- Fish ponds
- Dams and retaining walls
- Retaining walls
- Earth dams
- Vapour barrier protection for insulated piping
- Bond breaker between construction slabs
- Box gutters

PRODUCT FEATURES

- Can withstand ponding of water
- Non toxic to fish.
- Suitable for potable water.
- Proven track record.
- Easy application using semi skilled labour.
- Rapid drying due to high solids content.
- Clean up with water.

APPLICATION INSTRUCTIONS

- **Step 1:** Ensure that surfaces are clean, dry, sound and smooth without undue voids or lumps. This can be achieved by means of scraping, wire brushing or grinding as necessary. Defective waterproofing should be stripped off and discarded.
- **Step 2:** If surfaces are in poor condition, the use of Lastiflex Primer is recommended. This is a clear solvent based primer which substantially improves the adhesion of waterproofing

systems. This should be applied thinly to the surface but ensuring full coverage. Brush, roller or spray can be used. The primer should be dry before the bitumen is applied. This takes approximately 1 hour

- **Step 3:** The Aquagard Bitumen Emulsion should first be diluted with water by 25% and applied by brush or roller. This should be allowed to dry.
- **Step 4:** A generous coat of bitumen compound to be applied to the surface to be waterproofed. Generally a brush is recommended, but a roller can be used for larger areas and provided that care is taken to apply a liberal amount to the substrate. The Polyester membrane to be embedded into the wet bitumen and tamped down using a brush or gloved hands. Enough bitumen should have been applied to the surface that it penetrates through the membrane from underneath.
- **Step 5:** A further heavy coat should be applied the membrane to completely saturate it from above. There should be no creases or wrinkles in the fabric. The membrane should be worked with care and patience to mould to the form of the substrate ensuring no voids under the membrane.
- **Step 6:** Once the Aquagard Bitumen Emulsion is dry it should be top coated with a further layer of bitumen. Where the waterproofing system is to be exposed it should be overcoated with Aquagard Aluminum paint or Ecoflex. It is preferable that top coating is done the following day, especially on larger areas. However on small repair jobs, top coats can be applied within one hour depending on weather conditions.

COVERAGE

Approximately 2,1 litres per m² will be required for the full Bitumen Emulsion system including one top coat together with polyester reinforcing membrane. Coverage of Aluminum top coat is 7 - 8 m² per litre.

LIMITATIONS

- Do not apply if rain is imminent.
- Allow 72 hours curing before immersion in water.
- Where severe movement or cracking of the substrate has or may take place, the Aquagard Consultant to be contacted for advice and specification.



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DISCLAIMER

Whilst Aquagard makes every effort to ensure that all information given is accurate, the use and application of our products is outside our direct or continuous control, therefore Aquagard cannot accept any direct or indirect liability arising from the use of our products. Aquagard is able to supply a manufacturers guarantee on request. Please contact the Aquagard consultant for further information.

HEALTH AND SAFETY

Please read the product label, technical data sheet and material safety data sheet before use. Do not ingest internally. Avoid contact with eyes. If solution does come into contact with eyes, flush immediately with water and refer to Doctor for medical attention. Avoid prolonged contact with skin or breathing in of mist or fumes. Wear a suitable face mask. Keep out of reach of children. Take due care and precaution when applying the product especially if working at heights.



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