AQUASMART® -BITUMEN EMULSION

Bitumen Emulsion Sealer and Damp-proofer

DESCRIPTION

AQUASMART®–BITUMEN EMULSION is a thixotropic, premium, quick setting bitumen emulsion for damp-proofing below grade foundation and walls as well as wet rooms and under tile applications.

Apply with brush, roller or airless spraying in one or two coats with minimum total consumption of 2-3 kg/m^2 optionally reinforced with geotextile fabric available from Alchimica .

LIMITATIONS

Not recommended for:

- Unsound substrates,

FEATURES & BENEFITS

- Easy to apply & repair.
- Thixotropic
- Seamless.
- Quick setting

APPLICATION PREREQUISITES

Standard concrete substrate conditions
Hardness: R_{28} = 15 Mpa.

- Humidity: W < 10%.
- Temperature: 5-35 °C.
- Relative humidity: < 85%.

APPLICATION PROCEDURE

Clean the substrate using a high pressure washer, if possible. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, cured membranes must also be removed. Surface irregularities should also be filled. For optimum adhesion, surface should be damp but free of ponding water. The first coat is recommended to be thinned with 20% water to further aid adhesion.

Application:
Mix contents of the pail thoroughly before application. Apply the first coat diluted 20% with water. For optimum results embed a layer of polyester reinforcement and broom in immediately. Apply second coat as soon as base coat is dry to touch.



Do not apply under conditions of wet weather or expected wet weather.

CONSUMPTION

Minimum total consumption: **1-4 kg/m^2** depending on application.

CLEANING

Clean tools and equipment with water.

SHELF LIFE

Can be kept for 6 months minimum in the original unopened pails in dry places and at temperatures of 5-25 °C. Do not allow content of pail to freeze.

SAFETY INFORMATION

The MSDS (Material Safety Data Sheet) is available on request.

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TECHNICAL SPECIFICATIONS

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (Brookfield)	cP	ASTM D2196-86, @ 25 °C	3,000-8,000
Specific weight	gr/cm^3	ASTM D1475 / DIN 53217 / ISO 2811, @ 20 °C	±1
Required application temperature	°C	-	> 5
Penetration on base asphalt	min	ASTM DS	80-100
Dry time to touch	hrs	-	6

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