

AQUASHIELD FX

Fibred Coating

DESCRIPTION

BITUMAT AQUASHIELD FX heavy duty general purpose emulsion coating is a brush applied, jointless bitumen compound. It is clay stabilized and reinforced with non-asbestos fibre. It is used wherever extra flexibility and stability are required. BITUMAT AQUASHIELD FX is specially formulated to provide high water vapour permeability with very high resistance to re-emulsification upon long term contact with water.

USES

General waterproofing: Used on a wide variety of surfaces including concrete, brick, bitumen & mastic asphalt membranes, asbestos cement, slates, tiles, lead, copper, zinc, corrugated iron and similar surfaces.

Lining water tanks: (Not for potable water). Applied on its own or with an open weave glass mesh. Also used to weatherproof exposed insulation with a reinforcing fabric, as above.

OUTSTANDING FEATURES

- Fibred extra flexibility
- Micro porous-breathing to stop blistering
- No re-emulsification in water
- Jointless finish
- Ease of application
- Non toxic, odour & taint free
- High temperature stability
- Solvent free (environmental friendly)

PREPARATION

1. Thoroughly clean all surfaces to be coated with Bitumat Aquashield Emulsion.
2. Repair any damaged or cracked substrate.
3. Prepare porous surfaces by priming with BITUMAT AQUASHIELD FX. diluted 1:1 with water. Treat friable surfaces with suitable Bitumat Primer. Allow to dry before application of coating.
4. Stir well before use.

APPLICATION

1. Apply at the rate of 1.25 kg/m² by soft brush or broom to damp (not wet) or dry surfaces.
2. Application is eased by dampening before and during use.
3. Allow first coat to dry. Then apply the second coat at the same rate of 1.25 kg/m². This coat is applied at right angles to the first.
4. For reinforcement and additional strength at joints, open weave glass mesh may be spread over on top of the uncured first coat and under the second coat of BITUMAT AQUASHIELD FX.
5. Keep tools in water during use. Clean with water when wet, with white spirit when dry.
6. Protect from frost and rain until fully cured.

STORAGE

Store BITUMAT AQUASHIELD FX under cover, at temperatures between 5°C and 40°C. Stored correctly, a shelf life of 12 months can be expected for unopened containers. *Storage must be frost free.*

STANDARDS

Exceeds requirements of ASTM D 1227 87 type IV. Meets Singapore Standard 133:1987 type IV.

PACKING

20-kg & 200-kg containers.

HEALTH & SAFETY

1. Fire - Non-flammable when wet.
2. Skin - Avoid repeated or prolonged skin contamination. Remove with water when wet or with a hand cleaner when dry.
3. Eyes - No special precautions required. But if eyes become contaminated, irrigate them with copious amounts of clean water.

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TECHNICAL DATA

EMN01	MAY04	R-00	00
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	Property	Typical Value	Test Method
1.	Residue by evaporation, %	55-60	ASTM D 2939
2.	Ash content, %	20 (max.)	ASTM D 2939
3.	Specific gravity	1.05	ASTM D 2939
4.	Drying time (firmset)	Less than 24 hrs at 80% RH (+/-5%) @ 27°C (+/-2°C)	ASTM D 2939
5.	Heat resistance, at 100°C	No flow, sag or blistering	ASTM D 2939
6.	Direct flame test	Coating chars in place	ASTM D 2939
7.	Flexibility at 0°C	No cracking or flaking	ASTM D 2939
8.	Water resistance	No blistering or re-emulsification. Suitable for lining water tanks.*	ASTM D 2939
9.	Reinforcement	Non-asbestos mineral fibers	

* For application involving potable water, use *BITUMAT HEAVY DUTY EMULSION, Type RV*

The information given in this Technical Data Sheet is given to the best of our knowledge based on laboratory test and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the product itself.

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