

SYNROOF

Premium Quality Acrylic Waterproof Coating

DESCRIPTION

BITUMAT SYNROOF is a versatile acrylic elastomeric waterproof coating. It cures to a highly flexible, tough, seamless membrane for the protection of all kinds of roofs.

USES

BITUMAT SYNROOF is suitable for application to most types of roofs, flat or pitched eg., concrete, metal, asbestos, wood etc. It also forms a heat and solar reflecting membrane.

OUTSTANDING FEATURES

- Strong and flexible
- Excellent adhesion to substrate.
- Vapour permeable.
- Resistant to aging and UV radiation.
- Designed to be used in the Middle East climatic conditions.
- Single pack.
- Labour saving.
- Safe, non-flammable, non-toxic.
- Easy to apply.

COLOURS

Satin white and grey.

INSTALLATION

SURFACE PREPARATION

Roof and other surfaces must be thoroughly clean, dry, free from moss, dirt, oil, grease and loosely adhering materials. In case of metal surfaces, remove rust and contamination and apply a coat of anti-corrosive primer. To achieve best results, a fiber mesh reinforcing mat should be embedded into first coat of SYNROOF whilst still wet mainly at expansion areas and joints with parapet. Depending on the nature of substrate, a priming coat with BITUMAT SYNROOF diluted with 20% water may be required.

APPLICATION

By soft bristle brush, roller or airless spray. Minimum 1 mm thick dry film is recommended for a satisfactory performance and perfect recoating interval is 8 hours at 30 Deg. C., 65% RH.

CURING

Allow 24 hours for the final curing to take place at normal working temperatures. Complete curing is required before any insulation or protection board is placed.

MECHANICAL PROTECTION

Traffic roofs : Maximum protection can be achieved by insitu screed. Use a Kraft paper or polyethylene separation layer over the insulation boards. Then lay a topping screed of 4 cm to 5 cm thickness.

Non-Traffic roofs : Place a non woven polyester separation layer Bitutex, over the insulation boards. Then cover to a minimum depth of 5 cm with 15/30 gauge washed gravel. For thicker insulation boards, the gravel depth should at least be equal to that of the board thickness.

COVERAGE

1 Sq. mtr/kg to obtain 500 micron dry film thickness.

STORAGE

Store under cover at temperature above 5° C. and below 30° C. Minimum shelf life of one year in unopened containers can be expected.

PRECAUTIONS

1. Bitumen or asphalt roof surfaces receiving a coating of SYNROOF should be thoroughly dry.
2. Never apply if rain is imminent.
3. Application at temperatures below +5° C may result in incomplete film formation, with reduced elasticity and the possibility of cracks forming.
4. Do not use BITUMAT SYNROOF on areas that will be constantly submerged in water.

PACKING

20 kg. metal pail.

Note : SYNROOF is tested as per ASTM test methods and report is available on specific request.

HEALTH AND SAFETY

Generally safe, non-toxic and non-flammable whilst wet. However, avoid prolonged skin contact. Use of cream, gloves is advisable. If eyes are affected by BITUMAT SYNROOF, rinse with copious amount of clean water. If ingested, seek medical attention immediately.

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TECHNICAL DATA

ACR02	MAY04	R-00	00
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	Property	Typical Value	Test Method
1.	Solid Contents	60 + 1%	ASTM D 1076
2.	Viscosity at 25°C, CPS	40,000 to 55,000 CPS	Brookfield
3.	PH	9 + 1	In-House Test
4.	Density, Kg / Lit	1.24 + 0.05	ASTM D 1475-90/16
5.	Application Temp.	+5 to +100°C	In-House Test
6.	Curing Time at 25°C	Around 48 Hours	In-House Test
7.	Tensile Strength	145 N / cm ²	ASTM D 412
8.	Elongation at Break	300%	ASTM D 412

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.

THIS PUBLICATION AUTOMATICALLY SUPERSEDES ALL PREVIOUS PUBLICATIONS RELATING TO THIS PRODUCT.