

DUROCOAT

Protective Coating For Polyurethane Foam Insulation

DESCRIPTION

BITUMAT DUROCOAT is a specially formulated acrylic coating which provides a protective and reflective finish to spray applied polyurethane foam insulation.

Formulated from a blend of speciality resins and additives, BITUMAT DUROCOAT provides a seamless, durable, elastomeric and vapour permeable membrane.

USES

This high-build reflective coating has excellent UV resistance and easily accommodates the thermal movement of PU foam insulation. Although BITUMAT DUROCOAT has been developed primarily for use with spray applied polyurethane insulation, it can also be used for other applications such as reflective and protective waterproof coatings to concrete, asphalt & bitumen, asbestos cement, slates & tiles, zinc, timber surfaces etc.

OUTSTANDING FEATURES

- Highly adhesive to PU foam
- Absolutely waterproof
- Seamless, tough & flexible finish
- High solar reflectivity & UV protection
- Suitable for a variety of roof substrates
- Water vapour permeable

COLOURS

White & Grey

INSTALLATION

GENERAL

1. BITUMAT DUROCOAT may be applied by brush, roller, squeegee or spray equipment. The actual method of application is selected depending on the circumstances of the particular project.

To spray, select a nozzle size of at least 0.028 in., first checking the spray equipment to ensure suitability.

2. All surfaces to be coated must be clean, dry and free from dust, dirt, oil, grease and other contaminants.

3. Apply in separate coats, each at right angles to the one before. Using a different colour for each coat helps ensure consistency of cover.

PRIMING

PU Roofs. BITUMAT DUROCOAT is designed to adhere tenaciously to PU foam and in general priming not required. However, for critical application and glazed or plastic surfaces use BITUMAT DUROPRIME to enhance bondability.

WATERPROOFING & PROTECTION

1. Wait until primer has dried before commencing work.

2. Build up the required membrane thickness by applying multiple coats of BITUMAT DUROCOAT. Each coat should be of a different colour and be applied at right angles to each other to ensure consistent coverage.

3. Where substantial movement is anticipated in the substructure, reinforce the BITUMAT DUROCOAT by incorporating a mesh reinforcement as part of a "sandwich" membrane system. Lay this mesh in the wet first coat before application of subsequent coats. All detailing to pipes, upstands, drains, projections, etc. should be mesh reinforced in this way.

ACCESSIBLE ROOFS

A separation layer of polyethylene, Kraft paper or similar should be placed on the BITUMAT DUROCOAT membrane before topping with sand cement screed or tiles of 4 to 5 cm thickness.

WEATHER CONDITIONS

Actual drying time depends on climatic conditions and may vary from one hour to one full day. Do not start work if rain is forecasted for the subsequent 24 hours.

CLEANING

Brushes, tools and other equipment should be cleaned with water whilst wet.

STORAGE

Store in the dry, away from direct sunlight, at temperatures above 5°C and below 30°C. When stored in unopened containers expect a minimum shelf life of one year.

PACKING

20 kg. metal pails.

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 DUROCOAT, rinse with copious amount of clean water. If ingested, seek medical attention immediately.

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Insulation

TECHNICAL DATA

ACR05	MAY04	R-00	00
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<i>Property</i>	<i>Typical Value</i>	<i>Test Method</i>
1. Solids content, %	62 (+1)	ASTM-D-1076
2. Specific gravity	1.28 (+0.05)	ASTM-D-1475-90/16
3. Flash point	Non-flammable	-
4. Service temperature, °C	-5 to 100	-
5. Coverage	1 kg/m ² for 0.5 mm dry film thickness	-
6. Application temperature, °C	5	-
7. Tensile strength, N/5cm	(minimum) 91.2	ASTM-D-412
8. Elongation, at 25°C	Approx. 340	ASTM-D-412
9. Hardness, shore A	61	ASTM-D-2240
10. Watervapour transmission, gm/hr/m ²	1.525	ASTM-E-96
11. Viscosity	22,000-40,000 CPS	Brookfield Viscometer
12. Colour	White or Grey	

Note : 7 to 10 apply to dried film

The information given in this Technical Data Sheet reflects typical median properties based on laboratory test, and practical experience; subject to the tolerance levels of UEAtc directives. However, as the product is often used under conditions beyond our control, we can't warrant but the product itself.

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