

# SYNPLAST

## High Quality Elastomeric Waterproofing Coating

### DESCRIPTION

BITUMAT SYNPLAST is a modified elastomeric, acrylic waterproofing coating. It is flexible, forms a seamless coating and protects all kinds of roofs.

### USES

SYNPLAST is suitable for waterproofing most types of roofs, flat or pitched e.g., concrete, metal, asbestos, wood etc. SYNPLAST also works as a heat and solar reflecting membrane.

### OUTSTANDING FEATURES

- Strong and flexible
- Economical
- Single pack
- Labour saving
- Safe, non-flammable, non-toxic
- Easy to apply

### INSTALLATION

1. All surfaces to be coated must be clean, dry and free from dust, dirt, oil, grease and other contaminants.
2. In case of metal surfaces, remove rust and contaminants and apply a coat of anti-corrosive primer. Then apply BITUMAT SYNPLAST diluted with 15% water as primer.
3. BITUMAT SYNPLAST may be applied by a soft bristled brush, roller or airless spray gun.
4. Minimum 1mm. thick dry film is recommended for a satisfactory performance which could be obtained by applying two coats. Ideal recoating interval is 8 hours at 30°C., 65% RH.
5. A final curing time of 24 hours is adequate at normal working temperatures.
6. Where substantial movement is anticipated in the substructure, install 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, projected line etc. should be mesh re-inforced in this way.

### COVERAGE

Apply two coats, each at the approximate rate of 1 kg./sq.m. (including the SYNROOF Prime Coat).

### CLEANING OF TOOLS

By water when wet, by any cleaning agent when dry.

### 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 to receive a coating of BITUMAT SYNPLAST should be thoroughly dry.
2. Never apply if rain is imminent.
3. Application at temperature below +5°C may result in incomplete film formation, reduced elasticity and cracks can appear in the installed coating.
4. BITUMAT SYNPLAST is resistant to light foot traffic, However, heavy traffic, high heel shoes, furniture, etc. will cause damage. If such traffic is expected, protect the application by suitable protection.
5. Cured BITUMAT SYNPLAST should not be broomed with hard bristles, it can cause physical damage.

### PACKING

20 kg. metal pail.

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

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### TECHNICAL DATA

ACR03	MAY04	R-00	00
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<i>Name of Test</i>	<i>Typical Value</i>	<i>Test Method</i>
1. Solid contents, %	59 + 1	ASTM D 1076
2. Viscosity at 25°C, cps	40,000-60,000	Brookfield
3. PH	9 + 1	-
4. Density, Kg/Ltr.	1.22 + 0.05	ASTM D 1475-90/16
5. Application Temperature, °C	+5 to +100°C	In-house
6. Curing Time at 25°C, hrs.	Around 48 hrs.	In-house
7. Tensile Strength, N/cm <sup>2</sup>	135	ASTM D 412
8. Elongation at Break, %	475	ASTM D 412

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.