

# SUNGARD

## Non-Fibred Aluminum Coating

### INTRODUCTION

BITUMAT SUNGARD is a cold applied highly reflective asphalt base aluminium coating formulated with ductile, pliable bitumen dissolved in select petroleum solvents and blended with highly polished aluminium flakes.

### USES

BITUMAT SUNGARD is used to preserve, protect and beautify smooth asphalt roofs, modified bitumen roofs and granule finished roofs. It is not a waterproofing coating.

Sungard is used to protect metal structure and is a anti-rust and corrosion coating.

Sungard is used on asphalt roofs, metal roofs, metal walls, masonry walls etc. to reflect sunrays in order to reduce air-conditioning costs in summer and heating costs in winter.

### OUTSTANDING FEATURES

- BITUMAT SUNGARD is easy to apply, requiring no heating or thinning.
- Highly reflective, reflecting up to 70% of the harmful sunrays, thus prolonging the life of bitumen roofs.
- Reduces surface temperature by as much as 10 °C; thus reducing cooling and heating costs.
- Cuts maintenance cost on roofs and walls.
- Pliable and flexible, capable of withstanding thermal and structural movement in roofs and walls.
- Economical. High coverage rates, one kg covers up to 6M<sup>2</sup>.
- Easy to apply - saves labour costs.

### APPLICATION

Thoroughly clean the surface to be coated. All dirt, dust, scale, loose coating and rust must be removed and the surface must be dry before coating. On old metal or galvanized steel, remove rust and scale by wire brush. Over new galvanized steel, pre-treat the surface with diluted muratic acid (5%).

It can be applied by paint brush, squeegee or airless spray equipment at the recommended coverage rates. For best results, all brush strokes should be in one direction and atmospheric temperature above 20°C. Thoroughly mix the coating before application and periodically during application.

### CLEANING

Tools : Clean with kerosene

Hands : Use a hand cleaner or kerosene followed by soap and water.

### COVERAGE RATES

Around 0.16 Kg/M<sup>2</sup> on metal, wood or smooth bituminous surfaces.

Around 0.27 Kg/M<sup>2</sup> on granule, rough or concrete surfaces.

### STANDARDS

Complies with ASTM-D-2824, Type I.

### PACKING

20-litre pails and 200-litre drums.

### HEALTH & SAFETY

Flammable; contains petroleum distillate; Keep away from open fire, sparks or other ignition sources. Wear protective clothing, gloves and goggles.

1. Fire-Flammable when wet, flash point 40 °C.
2. Skin - Avoid repeated or prolonged contact; if contact occurs remove with hand cleaner that removes oil or grease; then clean with soap and water.
3. Eyes-Avoid contact, causes irritation; if contact occurs flush with clean water.
4. Inhalation - Can cause dizziness. Remove to fresh air and if breathing difficulty persist, administer oxygen.

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### TECHNICAL DATA

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<i>Property</i>	<i>Typical Value</i>	<i>Test Method</i>
Density, at 25°C., Kg/liter	0.99 - 1.03	ASTM-D-70
Viscosity @ 25°C., cps	300 - 600	Brookfield
Dry film thickness, 1 Liter/M <sup>2</sup> , mm	0.3	-
Colour, cured	Bright Silver	-
Colour, wet	Brown	-
Drying time, to touch, Hr.	2	-
Drying time, through, Hr.	24	-
Adhesion to dry surfaces	Excellent	-
Reflectance, %	70 (min.)	ASTM-D-2824
Resistance to heat at 60 °C	No sagging or blistering	ASTM-D-2822
Resistance to solvent	Poor	-
Resistance to water		
Under drainage	Good	-
Under standing water	Poor	-
Service temperature, °C	-5 to 60	-
Non - volatile, % Wt.	52 - 60	ASTM-D-2824
Volatile, % Wt	40 - 48	ASTM-D-2824
Metallic Aluminum Content, % Wt.	22 (min.)	ASTM-D-2824

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 UEA/c 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.