

# EUCOPROOF

## POLYURETHANE WATERPROOFING MEMBRANE

### DESCRIPTION

**Eucoproof** is a one component moisture curing tar extended polyurethane formulation specially designed as a waterproof coating for all kinds of roofing. The product, black in colour, can be either brush or trowel applied, and cures to a tough rubber-like finish with exceptional elasticity.

**Eucoproof** although liquid in nature, has been developed to provide a complete joint-free waterproofing membrane, replacing the hot melt applied asphalt systems, the cumbersome and multi-jointed torch-on self-adhesive sheet membranes, as well as the multi-layer applied felt systems.

### OUTSTANDING FEATURES

- **NON-CRACKING** – Specially formulated organic resins in **Eucoproof** give rise to elastomeric properties which eliminate minor cracking and crazing.
- **RAPID CURING** – It cures within few hours of application, enabling large areas to be covered in working day.
- **NON-OXIDIZING** – Combination of tar and special organic resins leads to greater oxidization stability compared to conventional bitumen systems.
- **EXCELLENT ADHESION** – It has excellent adhesive properties to a variety of surfaces.
- **THERMAL STABILITY** – Once **Eucoproof** has cured, the reaction is irreversible and this chemical stability in turn leads to greater heat stability.
- **CHEMICAL RESISTANCE** – The presence of urethane polymers in **Eucoproof** gives much greater resistance to general chemicals, certain solvents and engine fuels.
- **SEAMLESS** – A joint-free waterproofing membrane.

### TYPICAL USES

**Eucoproof** is suitable for waterproofing :  
FLAT ROOFS – Exposed and inverted.  
WET AREAS – Toilets and balconies, planter boxes and podium, decks, basement wall, floor and foundation pool decks, terraces and tunnels.

**EUCOPROOF** has been tested by SIRIM QAS International Sdn. Bhd. in accordance to ASTM D 412-16 Standard Test Method for Vulcanized Rubber and Thermoplastic Elongation-Tension. BS 1881-122:2011 Standard Test Method for Determination of Water Absorption.

### PHYSICAL PROPERTIES

Based on cured material applied in accordance with the recommendation.

Tensile Strength	18.9 N/mm <sup>2</sup>
Elongation	1,278%
Recovery	100%
Total Solids	90 / 95%
Water Absorption	1.64%
Moisture Vapour Transmission Hrs (0.36 perms)	4.235 gms / m <sup>2</sup> /24
Cure : Tack Free Through	Approx 24 hours Approx 48 – 72 hours
Specific Gravity	1.15
Weatherometer	(BS 3900) 2000 hrs – loss of gloss – still pliable, no brittleness, no loss of general properties.

## PACKAGING AND STORAGE

**Eucopeproof** is packed in specially sealed and air-tight 20kg plastic drum.

**Eucopeproof** has a shelf life of 12-months in an unopened drum. It must not be stored in open sunshine.

## SURFACE PREPARATION

Surfaces to be waterproofed must be structurally sound, clean, dry and free from loose laitance. Concrete surfaces shall have a light steel-trowelled finish or power float (for huge area). Concrete decks should be properly cured and in place, a minimum of 7-days, prior to the application of the membrane. All shrinkage and non-moving structural crack shall be rectified by PU Injection Grouting. Soffit of RC Slab to be inspected prior to receive **Eucopeproof** Waterproofing.

## VERTICAL SURFACES APPLICATION

**Eucopeproof** can be applied by brush, squeegee or roller. It is applied at a wet film thickness of 1.3mm. Two-coats of **Eucopeproof** is recommended for complete waterproofing at the dosage of 0.65kg/m<sup>2</sup>/coat

## EXISTING SURFACES TREATMENT

**Eucopeproof** is the ideal, permanently elastic one component membrane for re-waterproofing old roofing. It can be applied to all forms of deteriorated waterproofing in addition to a wide variety of rigid sheeting, eliminating the costly expense of stripping and re-roofing. It is important that a proper film thickness is obtained necessitating a two-coat application.

All surfaces to be treated must be dry and thoroughly cleaned; it may even be necessary to wire brush areas where dirt or mold cannot be removed with a stiff broom.

## HEALTH AND SAFETY

**Eucopeproof** contains aromatic solvents and is harmful to eyes and skin. Use old or protective clothings and rubber gloves while handling. Do not smoke in the vicinity and allows adequate ventilation.

## LIMITATIONS

Please consult our Technical Representatives with any problems or any other product in our range of specialized building materials. Literature on all products is readily available upon request. However results depend not only upon quality but also upon factors beyond our control.