

EUCOPROOF SB

SOLVENT-BASED POLYURETHANE WATERPROOFING MEMBRANE

DESCRIPTION

Eucoproof SB is a one-component, moisture-curing, solvent-based polyurethane waterproofing membrane designed for high-performance protection on roofing and concrete structures. The product cures into a tough, seamless, elastic membrane with excellent adhesion and long-term durability. It is suitable for both new builds and re-waterproofing projects.

Eucoproof SB provides a fully bonded and joint-free waterproofing system, replacing traditional hot-applied asphalt, multi-layer felt systems, and torch-on membranes. Its solvent-based formulation enhances penetration, adhesion, and long-term UV stability.

TYPICAL USES

Eucoproof SB is suitable for waterproofing:

- Flat roofs
- Air well, Patio
- Balconies and terraces
- Planter boxes and podium decks
- Basement walls and foundations
- Tunnels, retaining walls, and general substructure areas
- Re-waterproofing of old roofs and membranes

PACKAGING AND STORAGE

Eucoproof SB is packed in sealed 20kg drums and has a shelf life of twelve months in unopened condition. It should be stored in a cool, shaded, and ventilated area away from direct heat, and the drum must remain tightly closed when not in use.

FEATURES & BENEFITS

- Fast Drying – Solvent-based formulation accelerates curing
- Seamless Membrane – No joints, overlaps or weak points
- Excellent Adhesion – Bonds strongly to concrete, screeds, metal and old bituminous layers
- High Chemical Resistance – Resistant to oils, mild acids and fuels
- High Solid Content – Forms a durable and long-lasting coating
- Easy Application
- Capable crack bridging – 1.5mm

SURFACE PREPARATION

Surfaces to be waterproofed should be clean, sound and dry, Good quality concrete is not required priming. Free from dust, laitance, oil, fungus, or loose particles.

Cracks:

- Shrinkage and hairline cracks: mix 1 part Eucoproof SB with 1 part solvents to fill the surface.
- Structural cracks: PU Injection Grouting is required.

Ensure the RC slab soffit is inspected before application.

APPLICATION METHOD

Tools: Brush, roller, trowel, or squeegee.

Wet Film Thickness: ~1.3 mm per coat
Recommended Coats: Two coats
Coverage: Approx. 0.65 kg/m² per coat
Recoat Time: 6–12 hours depending on weather

General Steps:

- 1-Apply first coat uniformly
- 2-Allow to cure to tack-free condition
- 3-Apply second coat at the required thickness

EUCOPROOF SB 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.

TECHNICAL PROPERTIES

Based on fully cured material applied as recommended

Tensile Strength	18-20 N/mm ²
Elongation	1,200-1,300%
Recovery	100%
Total Solids	90 / 95%
Water Absorption	<2%
Moisture Vapour Transmission Hrs (0.36 perms)	4.2 gms / m ² /24
Cure : Tack Free Through	24-48 hours
Specific Gravity	1.15
Weatherometer	No brittleness, retains flexibility

APPLICATION TO EXISTING SURFACES

Suitable for re-waterproofing old roofs or substrates such as:

- Worn-out cementitious coatings
- Old bitumen membranes
- Metal roofing
- Rigid or flexible sheet membranes

Ensure surface is clean and dry. Wire brushing may be required for stubborn dirt or mold. Repair concrete substrates if deemed necessary.

HEALTH & SAFETY

Eucoproof SB contains solvents and should be handled with care. Use gloves, eye protection, and ensure good ventilation during application. Avoid contact with skin or eyes and keep the product away from sparks, open flames, and smoking.

LIMITATIONS

Eucoproof SB should not be applied during rain or on damp surfaces, and it must be protected from moisture until fully cured. It is not suitable for areas with rising water pressure unless additional protection is provided. For unusual substrates or site conditions, consult the technical team before application.