

TECHNICAL DATA SHEET

Liquid Waterproof Membrane

Product Description

Heavy-duty, polymer-modified liquid waterproof membrane forming a thick, seamless, rubber-like coating upon curing. Designed for large-scale commercial and industrial waterproofing where maximum durability and crack-bridging ability are required. Excellent adhesion to concrete, masonry, metal, and bituminous surfaces.

Technical Properties

Property	Value
Appearance	Black / Dark grey viscous liquid
Solid Content	$\geq 70\%$
Tensile Strength	≥ 2.0 MPa
Elongation at Break	$\geq 500\%$
Tear Strength	≥ 8.0 N/mm
Bonding Strength	≥ 1.2 MPa
Water Impermeability	0.3 MPa, 30 min, no leakage
Low Temperature Flexibility	-35 deg C, no cracking
Heat Resistance	+90 deg C, 2h, no flow
Crack Bridging	≥ 2 mm dynamic crack
Drying Time (Surface)	Approx. 6 hours (23 deg C)
Drying Time (Full Cure)	Approx. 48 hours (23 deg C)
Coverage Rate	2.0 - 3.0 kg/m ² per coat
Recommended Coats	Minimum 2 coats
Film Thickness (Dry)	≥ 1.5 mm (2 coats)

Recommended Applications

- Commercial flat roofs and large-area waterproofing

- Under

Surface Preparation

Surface must be clean, dry, and structurally sound. Remove all loose material, dirt, oil, and failed coatings. Repair cracks and honeycombing with compatible repair mortar. Apply primer on porous substrates. Steel surfaces must be cleaned to remove rust and primed with anti-corrosion primer. Allow new concrete to cure for minimum 28 days.

Application Method

Stir thoroughly before use. Apply by brush, roller, trowel, or airless spray. Apply first coat at 1.5-2.0 kg/m² ensuring complete coverage. For critical areas (penetrations, edges, corners, drains), embed reinforcing polyester mesh in wet first coat and apply

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additional coating over mesh. Allow first coat to cure (6-12 hours depending on conditions) before applying second coat perpendicular to the first. Total dry film thickness should be minimum 1.5mm. Do not apply below 5 deg C or when rain is expected within 48 hours.

Storage & Shelf Life

Store in original sealed containers at 5-35 deg C. Protect from frost and extreme heat. Shelf life: 12 months from date of manufacture. Keep containers tightly closed when not in use.

Health & Safety

Contains polymer emulsion. Wear protective clothing, gloves, and safety glasses. Use in well-ventilated areas or with respiratory protection in confined spaces. Avoid skin and eye contact. Wash hands thoroughly after handling. Refer to SDS for complete information.

Standards & Compliance

GB/T 19250-2013 (Polyurethane Waterproof Coating)
JC/T 408-2005 (Water-based Waterproof Coating)
GB 50108-2008 (Underground Waterproofing Technical Code)

Disclaimer: The information provided in this Technical Data Sheet is based on our current knowledge and experience. It is the responsibility of the user to ensure suitability for their specific application. Fansen recommends on-site testing before large-scale use. Values shown are typical results from laboratory testing and should not be taken as specifications.