



REFLEX M1 DETAILS

SINGLE-COMPONENT, FLEXIBLE, FIBER-REINFORCED POLYURETHANE MEMBRANE FOR WATERPROOFING GUTTERS, FLASHINGS, AND OTHER CONSTRUCTION DETAILS.

Features

- Single-component, ready-to-use
- Easy to apply
- High adhesion on concrete, bituminous membranes, PVC, and more
- High flexibility at low temperatures
- Waterproof and water-vapor permeable
- Excellent crack-bridging capacity
- Weather-resistant
- Rapid repair of tears and cracks on old membranes
- Easy to repair after application
- Application: +5°C to +35°C (RH <85%)
- Working range: -30°C to +80°C

Field of application

- Roofs, terraces, and balconies.
- Basements and underground rooms.
- Drain pipes and gutters.
- Ventilation ducts and edges

Application

Substrate preparation

Ensure surfaces are solid, dust-free, and free of oils or grease

Old membranes or metal surfaces: remove oils/grease with solvent, do not use water

Concrete: mechanically prepare; adhesion >1.5 MPa; cured ≥28 days; do not wash with water

Ceramic or old resin-coated substrates: verify adhesion and cleanliness after mechanical preparation

Application

Single-component, ready-to-use; stir manually for 1 minute

Do not use mechanical mixers

Contains fibers; no additional reinforcement needed

Applied with brush on structural details until fully covered

Second coat is possible after 24 hours

Consumption: 1.5–3.5 kg/m² depending on surface

Overcoat with itself or TOP COAT finishes within 48 hours

After 48 hours, clean surface with solvent or use primer before overcoating

Safety & Tool Cleaning

Wear goggles, gloves, and all required PPE

Clean tools with SOLVENT after use

Refer to the safety data sheet for complete instructions

Technical Data

Colour	Grey (Black on request)	-
Specific Gravity	1.6 ± 0.05 g/mL	UNI EN ISO 2811-1
Curing Time (+20°C, 50% RH)	Rainproof: 3 h; Overcoating: ≥12 h; Fully cured: 7 days	
Vapor Diffusion	>20 g/m ² /24 h	UNI ISO 9932:91
Water Pressure Resistance	1 m water column / 24 h	DIN EN 1928
Adhesion to Concrete	>2 N/mm ²	ASTM D 903
Chemical Resistance	Good resistance to chemical/alkaline solutions (5%), detergents, saltwater, oils	
Tensile Strength	>2 N/mm ²	ASTM D 412
Elongation at Break	>250%	ASTM D 412
Shore A Hardness	65	ASTM D 2240
Consumption	1.5–3.5 kg/m ²	

Security

Data and recommendations are indicative and based on practical/lab experience. Users must verify suitability for their application. Warranty is limited to product quality and consistency as specified in stamped and countersigned datasheets. Verify batch-specific values; data may change without notice.

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