

A one-component, solvent-free, silane-based roof coating that cures with atmospheric humidity to form a strong, elastic, and waterproof membrane.

Key Features and Advantages:

Solvent-Free: 100% solids, ready to apply.

Easy Application: Brush, roller, or airless spray.

Waterproofing: Seamless membrane resistant to stagnant water; easy local repairs.

Durability: Withstands extreme weather, UV rays, and temperatures from -40°C to +80°C.

Adhesion: Excellent on various substrates; special primers available if needed.

Elasticity: Superior crack-bridging, even at low temperatures (-40°C).

Environment-Friendly: Zero chalking; releases no hazardous substances after curing.

Cost-Efficient: Long-lasting with high solar energy reflectivity in white color.

Technical Specifications:

Viscosity: 2500 mPa.s at 23°C.

Density: 1.36 g/cm³.

Temperature Resistance: -40°C to +90°C.

Tensile Strength: 2.20 N/mm².

Elongation at Break: 350%.

Hardness (Shore A): 55.

Water Vapor Permeability: 12.7 g/m²/day.

Impermeability to Water: Watertight under 1m water column for 24 hours.

Adhesion on Concrete: >2 N/mm² with primer.

Weathering Resistance: Passed 4000 hours of UV and water exposure with no significant changes.

Application Guidelines:

Preparation

Ensure surfaces are clean, dry, and free from dust, oil, or loose particles.

Old coatings must be removed; concrete surfaces should have <5% moisture content.

Seal cracks or joints with LOTUS S4 Sealant

Priming:

Primers are optional but recommended for improved adhesion. Use LOTUS P1 Primer for all concrete applications. Non-absorbent surfaces like metal require no primer

Coating Application:

Apply 2–3 layers using a roller, brush, or airless spray.

For enhanced durability, use LOTUS M5 Matting between layers.

Drying time: 12–24 hours depending on environmental conditions.

For airless spray, dilute with up to 10% White Spirit (never water).

Consumption:

Approx. 1.1–1.3 L/m² (1.3–1.6 kg/m²), depending on surface texture.

Colors: Standard grey and white, other colors available upon request

Packaging: 25 kg lids.

Shelf Life: 12 months in sealed containers stored in dry, cool conditions.

Warnings:

Avoid rainy weather during application.

For non-slip surfaces, sprinkle quartz particles on wet coating.

Not suitable as a directly exposed layer for swimming pools.

This information is provided for reference only. Testing for specific use cases is advised. Contact Advanced Roofing Technologies for further assistance.



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