



RWSI POLYURETHANE

(With UV-Resistant)

Description

Rwsi Polyurethane is cold-applied, one-component waterborne liquid applied water proofing membrane, highly elastic and **UV-resistant**.

Uses

- For roof waterproofing solutions in both new construction and refurbishment projects.
- For roofs with many details and complex geometry when accessibility is limited.
- For reflective coating to enhance energy efficiency by reducing cooling cost.

Features

- UV Resistant and resistant to yellowing and weathering.
- Highly elastic and crack-bridging.
- Non-toxic and VOC complaint water based coating.
- One component – ready to use.
- Excellent adhesion on porous and non-porous substrates.
- Seamless waterproofing membrane.
- Water vapour permeable.
- 12 months shelf life.

Technical Data

Chemical Base	Polyurethane modified Acrylic Dispersion	
Density	1.35 kg/l	(EN ISO 2811-1)
	All density values at +23 °C	
Solid Content	~48% by volume / ~ 65% by weight	
Service Temperature	-10°C to +80°C (with polyester mesh) -5°C to +80°C (without polyester mesh)	
CIGS-Reflectance (initial) Elasto Polyurethane white	87% according to EN 410 in conjunction with CIGS sensitivity	
Solar Reflectance (initial) Elasto Polyurethane white	0.82 according to ASTM C 1549	
Initial Emittance Elasto Polyurethane white	0.93 according to ASTM E 408, C1371, others	
SRI (Solar Reflectance Index) (initial)	102 According to ASTM E 1980	
Tensile Strength	Free film: ~1.5N/mm ²	(DIN 53504)
	With Polyester Mesh: ~12N/mm ²	(DIN 53504)
Packaging	10 kg and 20 kg plastic pails	
Elongation at Break	Free film: ~350%	(DIN 53504)
	With Polyester Mesh: ~40-60%	(DIN 53504)

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