

# Eurathane® 1200 SPE

High Performance Spray Polyurethane Elastomer



032-019



## About Eurathane® 1200 SPE

**Eurathane® 1200 SPE** is a solvent-free 2-component spray applied polyurethane elastomer waterproofing coating. It is uniquely formulated to provide high elasticity, tensile and tear strength and possesses excellent abrasion resistance.

**Eurathane® 1200 SPE** is environmentally friendly and contains very low volatile organic compounds (VOCs).

For exposed application, an additional **Eurathane® 1200 SPE Top Coat** to ensure colour stability and UV Resistance. The fast-curing **Eurathane® 1200 SPE** has an easy-to-control 1:1 mix ratio by volume and is applied with approved multi-component spray equipment.

### Substrates

- Concrete (min. 28 days cured)
- Steel
- Renders (min. 7 days cured)
- Plywood (marine grade only)

### Areas of Application

- Flat or pitch roofs
- Landscape roofs & planters
- Podiums
- Roof terraces
- Environmental decks
- Car park decks
- Retaining walls
- Cut and cover tunnels



### Advantages

- Fast curing, seamless and trafficable
- Excellent durability, substrate adhesion and abrasion resistance
- Elastomeric and Solvent free
- Very low VOC content
- 1:1 mix ratio (v/v)

# Installation Procedures

## Substrate Preparation

Surfaces on to which **Eurathane® 1200 SPE** is to be applied should be dry, smooth, sound and free from honeycombs, protrusions, voids, laitance, dust, loose material, paint, oil, incompatible curing agent or any other contaminants. Blockwork should be smooth rendered and brickwork flush pointed.

## Priming

Apply one coat of **Eurathane® 1200 SPE** Primer at a rate of 0.2 litres/m<sup>2</sup> by brush or roller and sand seeded to prepare substrate. Allow primer to fully cure before proceeding with application of **Eurathane® 1200 SPE**.

## Mixing

Mix **Eurathane® 1200 SPE** at 1:1 ratio by volume in heated low or high pressure multi-component spray equipment. The coverage of **Eurathane® 1200 SPE** is dependent on substrate type and condition. Generally, for dry film thickness (DFT) of 1.5mm, consumption is approximately 1.5 litres/m<sup>2</sup>.



## Health and Safety

**Eurathane® 1200 SPE** contents are flammable. Always provide adequate ventilation and wear appropriate personal protection equipment during use. Avoid contact with skin and breathing vapours. Wear protective eyewear. If swallowed, do not induce vomiting, drink plenty of water or milk. Seek immediate medical advice. Wash off splashes with clean water and soap. If irritation occurs seek medical advice.

# Technical Specifications

Solids content (ASTM D1644)	≥ 98%
Mix ratio (v/v)	1:1
Set-to-touch @ 23°C (ASTM D1640)	12 s
Tensile strength (DIN 53504)	> 14.0N/mm <sup>2</sup>
Elongation (DIN 53504)	> 600%
Shore A hardness (DIN 53505)	72
Water vapour transmission (ASTM E96)	28.2g/m <sup>2</sup> /day
Water absorption (DIN EN ISO 62)	2%
Adhesion to concrete (ASTM D4541)	1.5N/mm <sup>2</sup>
Abrasion resistance (ASTM D4060)	0.007g/1000 cycles
Crack bridging (ASTM C836)	2mm
Tear strength (DIN 53363)	> 90N/mm

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**Note:** Note: The information provided in this brochure is based on current knowledge and experience and does not infer any legally binding assurance or warranty, expressed or implied. Intending purchasers should verify whether any changes to specifications or applications or otherwise have been made since this literature was issued.



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