

Eurathane® 1600

High Performance Spray Polyurea Elastomer



About Eurathane® 1600

Eurathane® 1600 is a two-component, spray in place, solvent free, flexible, 100% solids polyurea elastomer system. It is a fast curing, textured surfaces, multipurpose material designed for commercial and industrial applications requiring high chemical resistance, abrasion resistance, impact protection and sealing of cementitious, metal and wood surfaces at temperatures up to 170°C.

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)

Benefits

Fleximent® 201 acts as an effective waterproof coating for floors, walls, water retaining structures and planter boxes. Fleximent® 201 may be applied onto surfaces in contact with potable water and damp surfaces. It contains no chlorine and salts that cause corrosion and efflorescence and is resistant to frost and thawing salts.



Meets BS 6920:90

Fleximent® 201 meets the requirements of British Standard BS 6920:90 and Singapore Standard SS 375:94.

Installation Procedures

Substrate Preparation

Surfaces on to which Eurathane® 1600 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® 1600 Primer at a rate of 0.2 litres/m² by brush or roller and sand seeded to prepare substrate. Allow primer to fully cure before proceeding with application of Eurathane® 1600.

Mixing

Mix Eurathane® 1600 at 1:1 ratio by volume in heated low or high pressure multi-component spray equipment. The coverage of Eurathane® 1600 is dependent on substrate type and condition. Generally, for dry film thickness (DFT) of 1.5 mm, consumption is approximately 1.5 litres/m².



Technical Specification

Physical Properties

Mix ratio (by volume)	1:1
Hardness (Shore D) ASTM-D-2240	60
Tensile strength (MPa) ASTM-D-2370	22.2
Elongation (%) ASTM-D-2370	105%
Angle tear resistance	78.5

Chemical Resistance

Alcohol	Excellent
Automotive petrol	Good
Automotive oil	Excellent
Aviation J P fuel	Excellent
Boric acid	Excellent
Brine solution	Excellent
Hydrochloric acid (5%)	Excellent
Hydrogen peroxide (10%)	Excellent
Kerosine	Excellent
Phosphoric acid (50%)	Excellent

Health and Safety

Eurathane® 1600 contents are considered non-flammable. Always provide adequate ventilation and wear appropriate Personal Protection Equipment (PPE) during use. Avoid breathing vapours. Avoid contact with skin. If swallowed, DO NOT induce vomiting, give glass of water and seek immediate medical advice. If contact with skin, wash off splashes of material with clean water and soap. If irritation occurs seek immediate medical advice. Refer to MSDS. Keep out of reach of children.

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