

enviro HP 1200

High Performance, Solvent Free,
Sprayed Elastomer
Waterproofing Membrane



Date: Jan 09

Issue: 4

Description

Enviro HP 1200 is a solvent free, 2 component spray applied polyurethane waterproof membrane. It is uniquely formulated to provide high elasticity, tensile and tear strength. It also possesses excellent abrasion resistance.

Advantages

- 100% Waterproof
- Fast System Application
- Spray Applied
- Excellent Durability
- Excellent substrate adhesion (using suitable primers)
- Very Low VOC Content
- Convenient 1:1 vol/vol mix ratio
- Solvent free
- Seamless application
- Elastomeric
- Fast Curing
- Excellent Abrasion Resistance
- Trafficable

Uses

To provide a 100% effective waterproof membrane for the following areas:

- Podiums
- Planter Boxes
- Green Roofs
- Car Parks
- Flat Roofs
- Retaining Walls
- Balconies
- Cut and Covered Tunnels

Physical Properties

Enviro HP 1200 is supplied as a 2 component spray applied waterproof membrane

• Colour	Green	• AS4858:2004 Class 3	Pass
• Water Vapour Permeability – 2g/m ² /day		• Shore A Hardness	80±3 AS1683.15
• DIN EN 1297 (5000Hrs) Pass		• DIN EN 13897	Pass
• Dynamic crack bridging 0.2mm ZTV-SIB 90		• Tensile Strength	15.7 MPa AS1683.11
• Mix Ratio	1:1 vol/vol	• Elongation	>260% AS1683.11
• Pot Life	12 seconds at 25°C	• Abrasion Taber	228mg AS 1683.21
• Water absorption	2% BS 2782 Pt.4	• Static crack bridging	2mm ZTV-SIB 90
• Density	1.06 g/cm ³ DIN 53213	• Tear propagation	12 N/mm ² DIN 53515
• Adhesion (concrete)	>1.0 MPa DIN 1048		

Application Directions

Substrate Preparation

The surface must be clean, and free from loose particles, including dust, laitance, grease, coatings, curing compounds, or any other foreign matter. The substrate must be prepared by way of degreasing, grinding or captive shot blasting to provide a surface profile. Apply suitable and approved joint caulking material such as Enviro Seal PUR polyurethane (allow to cure) prior to application of Enviro HP 1200, to all joints and connecting building parts.

Priming

Apply 1 coat of Enviro Epoxy B sand seeded to prepared substrate at a rate of 5-8m² per litre, by brush or roller. Allow primer to fully cure before proceeding with application of Enviro HP 1200.

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environmentally responsible technology

Application Directions (cont)

Mixing

Mixing by way of 1:1 mix ratio (by volume) in heated plural component spray equipment. Both low and high pressure spray equipment can be used.

Substrates

Enviro HP 1200 is suitable over the following substrates:

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

NOTE: Do not apply membrane to any concrete that has received curing compounds.

Estimating Data (Theoretical)

The Consumption of Enviro HP 1200 will depend upon substrate condition and type. As a guide: One 120 ltr kit of Enviro HP 1200 will cover approximately 60 – 80m² based on achieving a waterproof coating of a minimum 1.5mm Dry Film Thickness (DFT).

Cure and Recoat Details

Curing rate of this product is dependent on ambient and surface temperatures. As the temperatures increase, the curing rate decreases.

	10 – 15°C	20 – 30°C	30 – 40°C
Hard Coating (minutes)	20	10	6
Full Cure (days)	7	6.5	6.5
Recoat– minimum (minutes)	<8	<4	<2
Recoat– maximum (hours)	5	3	2

Safety Advice

Enviro HP 1200 contents are considered non-flammable. Always provide adequate ventilation and wear appropriate Personal Protection Equipment (PPE) during use. Avoid contact with skin. Avoid breathing vapours. Wear protective eyewear. If swallowed, DO NOT induce vomiting, have plenty of water or milk. Seek immediate medical advice. Wash off splashes of material with clean water and soap. If irritation occurs seek medical advice. Refer to MSDS.

KEEP OUT OF REACH OF CHILDREN.



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Statement of Responsibility

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Note:

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