

GRT HP 1200



HIGH PERFORMANCE, SOLVENT FREE, LIQUID ELASTOMERIC WATERPROOFING MEMBRANE

Description

GRT 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
- Fast Curing
- Solvent free
- Excellent substrate adhesion (using suitable primers)
- Elastomeric
- Very Low VOC Content
- Convenient 1:1 (volume) mix ratio
- Spray Applied
- Excellent Abrasion Resistance
- Excellent Durability
- Seamless application
- Trafficable

Uses

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

- Podiums
- Flat Roofs
- Planter Boxes
- Retaining Walls
- Green Roofs
- Balconies
- Car Parks

Physical Properties

Enviro HP1200 is supplied as a 2 component spray applied waterproof membrane

- Colour Green
- Supply 120 L kit
- Mix Ratio 1:1 by volume
- Mix Ratio 100:92 by weight
- Pot Life 12 seconds @ 25°C
- Abrasion Taber 150 mg BS 3177
- Water absorption 2% BS 2782 Pt.4
- Static crack bridging 2mm ZTV-SIB 90
- Water Vapour Permeability – 16 ASTM E 96-95 WVT (mg/cm³/day) @ 25°C – RH : Water Method Fisher/Payne Permeability C
- Shore A Hardness 85 DIN 53516
- Tensile Strength 8 - 10 MPa (BS2782 Pt3 320A)
- Elongation 400-500% (BS2782 Pt3 320A)
- Density 0.9 g/mm² DIN 53213
- Tear propagation 12 kg/m DIN 53515
- Adhesion (concrete) 1.0 Mpa DIN 1048
- Dynamic crack bridging 0.2mm ZTV-SIB 90

Instructions for use

Substrate Preparation

The surface must be clean, sound 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 HP1200, to all joints and connecting building parts.

Priming

Apply 1 coat of Enviro Prime P2 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 HP1200.

Mixing

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

Substrates

Enviro HP1200 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 artificial curing compounds.

Estimating Data

The Consumption of Enviro HP1200 will depend upon substrate condition and type. As a guide: One 120 L 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 (mins)	20	10	6
Full Cure (days)	7	6.5	6.5
Recoat– minimum (mins)	<8	<4	<2
Recoat– maximum (hrs)	5	3	2

Safety Advice

Enviro HP1200 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 and 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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