

Y924 JAYCOTORCH 4mm APP ANTI-ROOT Waterproofing Membrane

Description

Y924 Jaycotorch is a prefabricated membrane made of bitumen distillate modified with elastomeric and plastomeric polymers, the product is reinforced with a dual carrier spun-bound non-woven polyester filament stabilized with fiberglass.

The waterproofing compound is produced through the complete homogenization of bitumen distillate with elastomeric and plastomeric polymers along with special additives.

Y924 has, in addition, additives that inhibit the passage of roots and organic growth, making it ideal for roof gardens, planters, and basements. These additives are non-leaching, and present no environmental risks.

Features

- Resistant to UV Radiation when coated
- Flexibility to -5°C
- Long term stability
- Environmentally safe anti-root properties
- Waterproof seal with low gas usage
- Good adhesion to primed surfaces
- Easily over-paintable.
- Designed for roof gardens and planters

Preparation

Equipment required:

- Air Blower
- Chalk Line
- Brushes or rollers
- Soft brooms
- Gas cylinder, with High Pressure Regulator and 5 m hose in good condition
- High Pressure Gas Torch

Pre-application:

Conduct an inspection on the roof in order to remove building materials, detritus, mud, grass etc, and to keep operation of the waterproofing system and accessories (drains, TV antennas, air conditioning systems etc.) , under control. Clear the deck of foliage and allow to dry out.

Whenever there is a reason to believe that the element to be waterproofed has traces of residual humidity (e.g. during renovations of existing roof coverings, applications after abundant rainfall), vents should be installed and positioned in such a way as to permit its elimination.

Confirm the slope of the roof to be a minimum 2% to outfalls by feeding water from a hose onto the roof and watching the outflow.

Treat cracks and joints in the roof by sealing with a suitable sealant such as Pekay GB89 and then capping or dressing the crack accordingly.

Priming:

On cementitious surfaces and similar, apply by roller or airless, Pekay T554 or T555 Bituminous Solvent-based primer, approximate consumption of 4m²/l. Allow to dry 30 minutes before proceeding.

Torching procedure

1. Using a chalk Line, mark out the line of the first sheet, at the lowest point of the roof nearest to the outlet.
2. To have all overlaps with the slope, position the membrane always starting from the lowest point.
3. Position the membrane sheets staggered, avoiding to create any overlaps against the slope and the drains.

4. Cut the corners of membrane sheet which will be laid under the next sheet at a 45° angle (10cm x 10cm)
5. Appropriate fillets are to be used where parapet walls meet the torchon layer so that the angle between the parapet wall and the torchon layer is 60°.
6. The joints, both side and head, must be respectively overlapped by 10 and 15cm.
7. The second layer of membrane may be applied astride and over the first one, always in the same direction, and approx. quarter of its length from the previous sheet.
8. The bituminous membrane will be applied with a propane gas torch to the substrate. It is necessary to heat the entire surface, except for the side and head laps, making sure that the compound forms a liquid mass in front of the roll to assure it saturates any superficial porosity.
9. The side laps(10cm) and head laps(15cm) will be heat welded with the gas torch; during this stage the overlaps should be pressed by using a roller(15kg) from which a bead of compound should flow and therefore avoiding to have to iron the overlaps.
10. The height of the verticals must be equivalent or superior to the finished surface by at least 15cm.

Finishing

When used in planters and roof gardens, no further finishing is required. To allow for correct drainage, loose lay a Geotextile non-woven polypropylene spunbond fabric, minimum 150 gsm, on top, before covering with at least 20mm of 13mm stone aggregate. Soil is then laid on top.

If overcoated, finish with a minimum of two coats of Pekay U538 Solvent-based Aluminium Paint. Care should be taken to avoid using any other finishing products, which may not have sufficient flexibility to move with the Torchon as this can lead to cracking, blistering and alligating. Under no circumstances should "contractors wall paint" be used. The surface may also be covered with natural slate and concrete tiles (laid over a fine washed sand base). *Hot Tarmac applied directly over the surface will melt it and lead to failures.*

Technical characteristics	Unit	Reference	Typical Results	Tolerance
Type of Reinforcement			Polyester /Glass Fibre	
Upper Face Finish			Sand/Talc	
Lower Face Finish			PE Film	
Watertightness	kPa	EN1928	60	
Length	m	EN1848-1	10 – 1%	
Width	m	EN1848-1	1 – 1%	
Thickness	mm	EN1849-1	4	-5%
Cold Flexibility	°C	EN1109	-5	
Flow Resistance	°C	EN1110	+120	
Tensile Strength L/T	N/5cm	EN12311-1	600/500	-20%
Elongation at Break	%	EN12311-1	35	-15
Tearing Resistance L/T	N	EN12310-1	150/150	-30%
Static Puncture Resistance	%	EN1107-1	0,3	
Fire Resistance		EN13501-1	CLASS E	
Resistance to Root penetration		EN13948	Compliant	

Sizes and packing

Y924 JAYCOTORCH is available in rolls 1m wide x 10m long. Full pallet loads contain 24 rolls. Rolls are to be stored upright and under cover. Do not store pallets on top of each other, as this may lead to deformation in hot conditions.

The information contained in this technical data sheet is to the best of our knowledge correct. NO GUARANTEE IS EXPRESSED OR IMPLIED. Users must satisfy themselves as to the efficacy of the product in their application. Always use the individual protection devices specified by law. Never use the systems on heat sensitive supports or insulation.