
Y944 JAYCOTORCH 4mm APP WATERPROOFING MEMBRANE

DESCRIPTION

Y944 Jaycotorch is a prefabricated membrane made of bitumen distillate modified with elastomeric and plastomeric polymers, the product is reinforced with a dual carrier spunbound non-woven polyester filament stabilized with fiberglass.

The waterproofing compound obtained through the complete homogenization of bitumen distillate with elastomeric and plastomeric polymers are added with special additives.

The upperside of Jaycotorch Y944 is finished with a special inorganic and extremely fine release material which is uniformly spread and calibrated in order to prevent the roll from sticking to itself, and provides anti slip features for applications on sloping surfaces.

FEATURES

- Resistant to UV Radiation when coated (see Finishing)
- Flexibility to -5°C
- Radiation, Ozone and temperature resistant
- Waterproofed seal with low gas usage
- Good adhesion when heated, to all supports.
- 4mm light sand finish, easily overpaintable.

GENERAL APPLICATION GUIDELINES

The membrane is usually applied by heating the bituminous blend using a gas burner or hot air guns in special cases.

Always use the individual protection devices specified by law

Never use the systems on heat sensitive supports or insulation. Keep gas flames away from all combustible material, such as thatch roofing and wooden decking and roofing.

Scrupulously respect the recommendations and warnings for use provided on the product's technical data sheet.

The waterproofing system and the products recommended can be modified as required by the roof's constructive type and size.

PREPARATION

CHECKLIST OF EQUIPMENT REQUIRED

Soft brooms
Air Blower
Chalk Line
Brushes or rollers for applying primer
Gas Bottle, with High Pressure Regulator and 5 m hose in good condition
High Pressure Gas Torch with trigger activator

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.

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 Polyurethane sealant, 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 primer, approx. consumption of 4m² / litre. Alternatively use Pekay T574J Waterbased Bituminous Primer.

Allow to dry 30 minutes before proceeding.

For more information and instructions please consult our Technical Department for advice and technical assistance on our wide range of waterproofing membranes.

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. The joints, both side and head, must be respectively overlapped by 10 and 15cm.
6. The second layer of membrane will be applied astride and over the first one, always in the same direction, and approx. quarter of its length from the previous sheet.
7. 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.



8. 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.
9. The height of the verticals must be equivalent or superior to the finished surface by at least 15cm.

FINISHING

The upperside of Jaycotorch HP is finished with a special inorganic and extremely fine release material which is uniformly spread and calibrated in order to prevent the roll from sticking to itself, and provides anti slip features for applications on sloping surfaces. The surface is also ideal for overcoating for UV protection.

The product is finished with a minimum of two coats of Pekay U538 Solvent-based Aluminium Paint, Pekay U523 Waterbased Aluminium Paint or Pekay Q147 Acrylic Roof Paint.

Care should be taken to avoid using any other finishing products, which may not have sufficient flexibility to move with the Torchon. This can lead to cracking, blistering and alligating.

Under no circumstances should “contractors wall paint” be used.

The surface may also be overcoated with 13mm Stone gravel, 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.

FIELDS OF USE

	Nº 1 AVERS			METHOD APPLICATION				TYPE OF APPLICATION			TYPE						
	Single Layer	Double Layer	Multilayer	Torch	Hot Air	Mixed (Torch / Air)	Cold Bond Glue	Mechanical Fixing	Thermo Adhesive / Self Adhesive	Fully Bonded	Partially Bonded	Loose Laid	Complimentary Layer	Top Layer	Heavy Protection	Anti-root	Other Uses
JAYCOTORCH 3 MM		•	•	•				•		•			•				
JAYCOTORCH 4 MM		•	•	•				•		•			•	•			

TECHNICAL CHARACTERISTICS	MEASURE UNITS	REFERENCE NORM	TYPICAL RESULTS	TOLERANCE
Type of Reinforcement			Polyester /Glass Fibre	
Upper Face Finish			Sand	
Lower Face Finish			PE Film	
Watertightness	KPa	EN1928	60	
Length	Metres	EN1848-1	10 – 1%	
Width	Metres	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		EN13501-5	F ROOF	
Fire Reaction		EN13501-1	F	

SIZES AND PACKING

Y944 JAYCOTORCH is available in rolls 1m wide x 10m long. Full pallet loads contain 25 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.