

## PART BONDED TORCH ON UNDERLAY


Waterproofing composite membrane

### Description

Pre-fabricated composite waterproofing membrane. The compound is made of distilled bitumen and plastomers (SBS), having a woven non woven single strand composite polyester reinforcement, which provide the membrane with high mechanical characteristics and excellent dimensional stability. The PART BONDED TORCH ON ULAY membrane on the lower face features a series of stripes formed by a special adhesive compound, separated by fine sand, which ensures a strong and durable adhesion.

### Fields of Use

#### CONTINUOUS ROOF EN13707 (certificate n. 0958-CPR-2045/1)



	N. LAYERS			METHODS OF APPLICATION						TYPE OF APPLICATION			TYPE				
	SINGLE LAYER	DOUBLE LAYER	MULTILAYER	TORCH	HOT AIR	MIXED(TORCH/AIR)	COLD BOND GLUE	MECHANICAL FIXINGS	THERMO AD/ SELF	FULLY BONDED	PARTIALLY BONDED	LOOSE LAID	COMPLIMENTARY LAYER	TOP LAYER	HEAVY PROTECTION	ANTI-ROOT	OTHER USES
PART BONDED TORCH ON ULAY P 2,7 KG/M2		•	•	•							•		•				

### Application

The technical data given is based on average values obtained during production. We reserve the rights to change or modify the nominal values without prior notice or advice. The information contained in this data sheet are based on our experience. We cannot take any responsibility for a possible incorrect use of the products. The customer has to choose under their own responsibility a product fit for the intended use.

- On cementitious surfaces and similar apply, by roller bituminous primer.
- Apply by torch application a 25 cm strip of membrane reinforced with polyester fully bonded along all vertical up stands.
- To have all overlaps with the slope, position the membrane always starting from the lowest point.
- Position the membrane sheets staggered, avoiding to create any overlaps against the slope and the drains.

- Cut the corners of membrane sheet which will be laid under the next sheet at a 45° angle (10 x 10 cm).
- The joints, both side and head, must be respectively overlapped by 10 & 15 cm.
- The second layer of membrane will be applied astride and over the first one, always in the same direction, and approx. 1/4 of its length from the previous sheet.
- 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 & head laps, making sure that the compound forms a liquid mass in front of the roll to assure that it saturates any superficial porosity.
- The side laps (10 cm) and head laps (15 cm) will be heat welded with an appropriate torch; during this stage the overlaps should be pressed by using a roller (15 kg) from which a bead of compound should flow and therefore avoiding to have to iron the overlaps. Bitumen bleed should be no less than 4mm and no greater than 6mm.
- Apply the vertical membrane sheet having the same characteristics of the waterproofing membrane and dimensions equal to the width of the roll, making sure that it overlaps the horizontal one by at least 10 cm, heating it with a gas torch and squeezing it with a trowel until a bead of compound appears from underneath. Bitumen bleed should be no less than 4mm and no greater than 6mm.
- The height of the verticals must be equivalent or superior to the finished surface by at least 15 cm. All vertical details must be fully bonded.

## Recommendations

- To best use the technical characteristics of bituminous membranes and guarantee the maximum performance and durability of the jobs where they are used, some simple but fundamental rules must be respected.
- The rolls are to be stored in an upright position, indoors in a dry and ventilated area, away from heat sources.
- Absolutely avoid the stacking of rolls and pallets for storage or transport to avoid possible deformations which may compromise a perfect installation. It is recommended to store the product at temperatures above 0°C.
- The rolls shall be kept in a warm or heated storage area during application, should the workability of the material deteriorate or become stiff and difficult to install during application, these should be returned to the heated storage area and substituted with new rolls. The rolls that are temporarily stored on the roof before application, shall be kept elevated by being left on their own pallets and shall be covered and protected from the weather.
- The application surface must be smooth dry & clean.
- The application surface must be previously treated with a suitable bituminous primer, to eliminate dust and enhance the adhesion of the membrane.
- The application surface must not have any depressions to avoid the risk of ponding water, the slope must be at least 1.5% on concrete decks and 3% for steel or wooden ones, this to guarantee a proper run off of rainwater.
- The application must be done at temperature higher than +5°C.
- The application must be interrupted in adverse weather conditions (high humidity, rain, etc.).

- The pallets on which the rolls are packaged are intended for normal warehouse use.
- The materials on stock should be rotated following a first in first out rotation.
- For further information it is recommended to consult our Installation Manual.

## Performance

Technical Data	Measure Units	Reference Norm	Properties	Tolerance
Type of compound			SBS	
Type of reinforcement			Polyester	
Upper face finish			Sand	
Lower face finish			Sand	
Length	m	EN 1848-1	10 -1%	
Width	m	EN 1848-1	1 -1%	
Mass	kg/m <sup>2</sup>	EN 1849-1	2,7	±10%
Cold flexibility	°C	EN 1109	-15	
Flow resistance	°C	EN 1110	100	
Tensile strength L/T	N/5 cm	EN 12311-1	400 / 300	-20%
Elongation at break L/T	%	EN 12311-1	35 / 35	-2
Tearing resistance L/T	%	EN 12310-1	120 / 120	-30%
Dimensional stability	%	EN 1107-1	-0.3	
Fire resistance		EN 13501-5	F ROOF	
Fire reaction		EN 13501-1	F	
Watertightness	kPa	EN 1928	60	

## Availability

Product Name	Product Code	Roll Dimensions (m)	Weight(kg/m <sup>2</sup> )
PART BONDED TORCH ON ULAY 10 M	A0004869	10 x 1	2,7

### **Further Information**

View our full range of products at [www.wonderbuilds.co.uk](http://www.wonderbuilds.co.uk)

You can also contact us at [0208 208 2121](tel:02082082121), or at [admin@wonderbuilds.co.uk](mailto:admin@wonderbuilds.co.uk)