bituFLAME® PLURA

RE-ROOFING MEMBRANE

1 **Polyethylene film**
2 **R compound**
3 **Waterproofing Mass**
4 **Composite polyster reinforcement**
5 **Waterproofing Mass**
6 **PA self-protected mineral surface**

bituFLAME® Plura is a torch-on membrane designed specifically for use as a re-furbishment layer over existing old bituminous waterproofing membranes - especially those with mineral chip finishes.
bituFLAME® Plura is a composite polymer-bitumen waterproofing membrane composed of distilled bitumen and differentiated waterproofing masses.
The upper face compound is composed of distilled bitumen and elasto-plastomers while the lower face compound is composed of distilled bitumen and special polymers which provide particular characteristics of adhesion and workability.
bituFLAME® Plura is reinforced with a composite polyster fabric, with very good mechanical characteristics and exceptional dimensional stability.

bituFLAME® Plura is a re-roofing membrane that can be applied directly on top of old waterproofing membranes without the need of de-chipping the original sheet.

Fields of Use	bituFLAME® Plura has been designed for the restoration and re-roofing of existing old waterproofing membranes, especially those that are self-protected with mineral chips. bituFLAME® Plura is compatible with all APP and SBS membranes.
Methods of Application	The membrane is installed by heat, using a gas torch making sure to provide for side laps of 10cm and head laps of 15cm. The product must be fully bonded to the existing membrane, paying particular attention to areas such as the perimeter, verticals and changes of slope.
Features & Benefits	Faster laying speed thanks to the special bitumen compound on the lower face (approx. gas savings of 50%) Creation of a new layer of waterproofing completely sealed to the old mineral surface due to the exceptional adhesion properties of bituFLAME® Plura No need to "de-chip" the old membrane - can lay directly overtop bituFLAME® Plura absorbs previous mineral chip and creates an intimate bond with the bitumen of the current membrane creating a new waterproofing membrane. Environmentally sustainable - no dumping of old bitumen membranes.
Product Composition	bituFLAME® Plura is a pre-fabricated composite membrane with differentiated waterproofing mass. The top surface has excellent resistance to ageing, walkability, cold flexability and heat resistance (more than 140°C) The lower face compound has excellent cold flexibility, adhesion to all types of substrates and especially to exisiting old waterproofing layers, as well as those that are self protected with mineral chip.

DATA SHEET

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Instruction for use

- Remove any leaves, dirt, stones, loose slate chips etc. from the exisiting surface.
- If there are any blisters on the old existing surface, these must be suitably cross-cut, if necessary install roof air vents to eliminate any humidity that may be entrapped under the old layer.
- bituFLAME® Plura must be fully bonded by torching parallel to the previous exisiting old layer, offseting the sheets by placing them over the old side laps.
- On the side and head laps the sheets must overlap by at least 10cm and 15cm respectively.
- All the surrounding details including perimeters verticals and applications where there is a change in slope must also be fully bonded.

Application

Clean the application surface.
Apply by gas torch a 25cm strip along all the vertical up stands
Position the membrane always starting from the lowest point, so water sheds over the laps.
Position the membrane so that laps are offset from the membrane below.
Cut the corners of the membrane which will be applied under the next sheet with a 45°angle
After having positioned the roll, re-roll the material for half of its Length and begin application; repeat the same operation for the remaining half of the roll.
It is necessary to heat the entire surface, except the overlaps, of the lower face to obtain a full adhesion to the application surface.
During the application by torch, the material needs to be heated to a point where the lower compound starts to flow in such a way that it fully saturates the application surface.
Torch the side laps (10cm) and head laps {15cm) with a torch for overlaps. During this stage the overlaps should be pressed by using a roller {15kg) from which a bead of compound should flow.
Apply the membrane on the verticals making sure that they overlap on the horizontal surface at least 10cm, make sure that they are fully bonded using a trowel to squeeze a bead of compound from underneath.

Technical Data

Type of reinforcement	Polyster
Upper face finish	Mineral
Thickness	4mm
Cold flexibility	-10°c
Flow resistance	130°C
Flow resistance after aging	120°c
After Heat ageing	0.7 MPa
Artificial UV ageing	PASS
Roll Size	8m x 1m

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