

Challenger and Challenger SBS

Product Data Sheet
September 2010

Polyester Based Roofing Cap Sheets and Underlays

Features and benefits

- Traditional pour & roll application
- Choice of two tough polyester base options
- Elastomeric or oxidised bitumen coatings

Description

These products form a simple range of reinforced bitumen roofing membranes, which are suitable for domestic and commercial applications. All membranes have a polyester base for toughness and durability. There is a choice of SBS modified (elastomeric) or oxidised bitumen coatings. Slate surface membranes are available for use as cap-sheets without the need for protection; sand surfaced membranes are used as underlays or where additional surfacing in the form of chippings or promenade tiles will be provided.

Challenger SBS Membranes

An underlay and range of cap sheets with polyester bases and SBS modified bitumen coatings.

Challenger Membranes

These cap sheets and underlays have polyester bases and oxidised bitumen coatings.

Product Details

Dimensions and weights		Challenger SBS Membranes			Challenger Membranes		
		180 Sand Underlay	180 Green Cap Sheet	250 Green Cap Sheet	180 Sand Underlay	180 Green Cap Sheet	250 Blue/Grey Cap Sheet
Product Code		50130000	50120000	50140000	50170000	50160000	50150000
Roll width m		1	1	1	1	1	1
Roll length m		20	10	10	20	10	10
Weight kg/m ²		2	3.4	3.9	2	3.4	3.9
Roll weight kg		39	34	39	39	34	39
Polyester Wt g/m ²		180	180	250	180	180	250
Margin width mm		-	75	75	-	75	75
BS 8747 Classification		S3P3	S3P3	S4P5	S3P3	S3P3	S4P5
Typical performance							
Tensile strength							
MOAT 30 (N/50 m)	MD	550	550	700	550	550	700
	TD	450	450	750	450	450	750
Elongation %	MD	25	25	45	20	20	30
	TD	35	35	50	30	30	40
LTF °C		-15	-15	-15	+5	+5	+5
Rolls per pallet		23	28	25	23	28	25

Application

These membranes should be installed in accordance BS 8217: 2005, Code of practice for reinforced bitumen membranes for roofing, and to IKO specifications. Application is by traditional pour & roll methods. Hot bitumen is poured onto the substrate in front of the roll, which is then unrolled into the bitumen, spreading it to give a continuous coating for the full width. The membranes are applied with minimum 75mm side and end laps.

Note: Challenger membranes (oxidised bitumen coatings) if used during the winter months should be stored between 10°C and 20°C for 24 hours prior to use and not applied at temperatures below 5°C. If applied at temperatures below 10°C the membrane should be warmed gently with a hot air gun at details that involve folding. Once correctly installed, they are then unaffected by low temperatures. If these conditions cannot be met then consideration should be given to specifying the better Challenger SBS membranes because of their excellent low temperature performance.

Special Applications

Challenger 180 Sand Underlay can also be used as a nailed preparation layer for a Torch – On system over Plywood, OSB and Timber plank roofs. It can also be used as a nailed preparation layer prior to application of bituminous membranes bonded with hot bitumen. Nailing to be at 150mm staggered centres across the sheet and at 50mm centres along the minimum 50mm side laps and 75mm end laps. Use 20mm long large headed galvanised clout nails.

Other Products

Full product literature, health & safety and technical sheets are available as downloads from our website www.ikogroup.co.uk or on request by email: marketing@ikogroup.co.uk

IKO PLC

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