

IKO Glass Fibre Membranes

Formerly BS 747 2000 Type 3 Bitumen Roofing Membranes

Features and Benefits

- British Standard glass fibre based products
- Economic roofing materials

Description

IKO glass fibre based roofing membranes comprise a range of underlays and cap sheets, formerly complying with BS 747:2000 Type 3. The products are either sand or mineral surfaced, depending on the product, and are usually applied with hot bonding bitumen.

Product details

Dimensions and weights	IKO Perforated Slate Underlay	IKO Glass Fibre Underlay	IKO Glass Fibre Capsheet	IKO Perforated Sand Underlay	IKO Glass Fibre SBS Capsheet
	Formerly Type 3G	Formerly Type 3B	Formerly Type 3E	Formerly Type 3H	
Product Code	03351000	03842000	03951000	03862000	14640000
Roll weight kg	26	36	32	34	33
Roll length m	10	20	10	20	10
Roll width m	1	1	1	1	1
Margin mm	75	-	75	-	-
Product Components					
Base	Glass Fibre	Glass fibre	Glass fibre	Glass fibre	Glass fibre
Base weight g/m ²	60	60	100	60	100

Product range

IKO Perforated Slate Underlay (Formerly BS 747: 2000 Type 3G)

IKO Perforated Slate Underlay is a perforated membrane, consisting of a glass fibre base coated with oxidised bitumen. It is sand finished on the top surface and slate finished on the underside. The perforations are nominally 25mm in diameter, positioned at approximately 75mm to 85mm apart throughout the roll. A 75mm margin without granules is provided along one edge to facilitate the lapping of joints. IKO Perforated Slate Underlay is loose laid, and designed to provide a controlled partial bond to a substrate when the subsequent layer is fully bonded in hot bitumen in a built-up roofing system.

IKO Glass Fibre Underlay (Formerly BS 747: 2000 Type 3B)

IKO Glass Fibre Underlay is a waterproofing membrane, consisting of a 60g/m² glass fibre base coated with oxidised bitumen. It is sand finished on both surfaces. It is used as an economical underlay (or intermediate layer) in a built-up felt roofing specification, and usually fully bonded in hot bitumen. This product is also used as an underlay to bitumen shingles in a pitched roof application.

IKO Glass Fibre Capsheet (Formerly BS 747: 2000 Type 3E)

IKO Glass Fibre Capsheet is a waterproofing membrane, consisting of a 100g/m² glass fibre base coated with oxidised bitumen. It is sand finished on the underside and slate finished on the top. IKO Glass Fibre Capsheet is used as an economical cap sheet in a built-up felt roofing specification, and usually fully bonded in hot bitumen.

IKO Perforated Sand Underlay (Formally BS 747 Type 3H)

IKO Perforated Sand Underlay is a venting underlay consisting of a 60g/m² glass fibre base coated with oxidised bitumen. It is sand finished on both surfaces. The perforations are nominally 25mm in diameter, positioned at approximately 75mm to 85mm apart throughout the roll. IKO Perforated Sand Underlay is sometimes used (loose laid) to provide a controlled partial bond to a substrate, when the subsequent layer is fully bonded in hot bitumen, in a built-up roofing system.

Note: Must not be used with PU or PIR insulation board (IKO Perforated Slate Underlay is generally recommended instead).

IKO Glass Fibre SBS Capsheet

IKO Glass Fibre SBS Capsheet is a waterproofing membrane consisting of a 100g/m² glass fibre base coated with SBS modified bitumen, and finished with sand on the underside and a decorative slate on the upper surface. It offers improved low temperature flexibility, fatigue resistance and durability over the more traditional oxidised bitumen coated, glass fibre based roofing capsheets.

IKO Glass Fibre SBS Capsheet is used as a cost effective, improved performance cap sheet for a built-up bitumen membrane system, over suitable glass fibre or polyester based underlays. The specific build-up will depend on the roof substrate or the individual requirements of the system.

Application

Glass fibre based membranes should be installed in accordance with BS 8217: 2005, Code of practice for reinforced bitumen membranes for roofing, and to IKO specifications. Glass fibre based roofing membranes are applied by traditional hot & roll methods. Hot bitumen is poured in front of the roofing felt 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.

Built-up roofing alternatives

Glass fibre based membranes are typically installed in two and three layer systems. In a two-layer system both layers should be fully bonded, the underlay being bonded to a suitable insulation or substrate. In a three-layer system the cap sheet and intermediate layers should be fully bonded to a random nailed preparation layer or to IKO Perforated Slate Underlay, depending on the substrate or insulation specified. Detailed specification advice is available from the IKO Technical & Design Services Department.

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

Literature Enquiries

Tel: 0844 412 8554

E-Mail: marketing@ikogroup.co.uk Website: www.ikogroup.co.uk

Sales Support

Appley Lane North, Appley Bridge, Wigan, Lancashire WN6 9AB

Tel: 0844 873 1062 Fax: 0844 873 1067 5574 E-Mail: sales@ikogroup.co.uk

Technical & Design Services

Appley Lane North, Appley Bridge, Wigan, Lancashire WN6 9AB

Tel: 0844 412 8551 Fax: 0844 412 7229 E-Mail: technical@ikogroup.co.uk



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