

Xtra-Gard Toughbond 180 Mineral



EN 13707

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0086-CPD-505779

TECHNICAL DATA SHEET

Surface Upper	Mineral granules with silica sand to overlap selvedge
Surface Lower	Silica Sand
Material	Oxidised bitumen
Type of Reinforcement	Polyester
Typical Thickness	3.1mm ±0.2

Characteristic	Test method	Value or statement	Units	Tolerance
Visible defects	EN 1850-2	pass	-	-
Length	EN 1848-1	10.0	m	±0.1
Width	EN 1848-1	1.0	m	±0.02
Straightness	EN 1848-1	< 20	mm/10m	-
Mass per unit area	EN 1849-1	3.67	kg·m ⁻²	±0.2
Effective thickness	EN 1849-2	NPD	mm	-
Water tightness	EN 1928 (B)	pass	-	-
External fire performance	EN 13501-5	NPD	-	-
Reaction to fire	EN 13501-1	Class F	-	-
Tensile strength	EN 12311-2 (A)	700 (MD); 450 (TD)	N/50 mm	±20%
Elongation	EN 12311-2 (A)	20 (MD); 25 (TD)	%	±20%
Dimensional stability	EN 1107-1	≤ 0.5	%	-
Resistance to Cold Bend	EN 1109	≤ -10	°C	-
Flow resistance at elev. temp	EN 1110	>105	°C	-
Artificial ageing behavior	EN 1296	pass	-	-
Adhesion of granules	EN 12039	< 30	%	-

NPD =No Performance Declared. MD = Machine Direction. TD =Transverse Direction.

Description of product

Xtra-Gard Toughbond 180 Mineral is a polyester reinforced oxidised bitumen membrane.

Type of application

Xtra-Gard Toughbond 180 Mineral is intended for use as a 'pour-and-roll' capsheet in a bitumen built-up roof system. Membranes should be installed in accordance with the manufacturer's guidelines.

Compatibility

The material is compatible with all materials normally used in roofing structures and finishes and may be cut and formed using techniques described in BS8217: 2004. There are no harmful side effects associated with this material. **Hydrocarbon solvent based products, such as naphtha, paraffin and creosote will have a harmful effect and should not be allowed to come into contact with the material.**

Storage & Transportation

Rolls are delivered on pallets, covered with shrink wrapped bag. These materials should, when removed from pallets, be stored upright on a firm flat surface, kept dry and protected from mechanical damage and heat sources. During storage exposure to direct sunlight is to be avoided.

Mineral Colours

Green.

Factory Ref: S0001-01-100

NOTE: This information is given in good faith being based on the latest knowledge known to Icopal Limited. Whilst every effort has been made to ensure the contents of the publication are current while going to press, customers are advised that products, techniques and Codes of Practice are under constant review and liable to change without notice.