

# FrameTX® THERMO

HEAT REFLECTIVE BREATHER MEMBRANE FOR TIMBER AND STEEL FRAME WALLS

## TECHNICAL INFORMATION

**DALTEX® FrameTX® Thermo** is a high performance breather membrane specifically designed to enhance the thermal performance of timber & steel frame structures.

**DALTEX® FrameTX® Thermo** conforms to the construction Products Directive (89/106/EEC), Underlay for walls (Annex ZA of EN 13859-2) and is manufactured under control of an ISO 9001 Quality management system.



### Product Characteristics

Product Code	RFL 117		
Mass per unit area (EN 1849-2)	117g/m <sup>2</sup> (+/- 10 g/m <sup>2</sup> )		
Reaction to Fire (EN 13501-1)	Class D*		
Water vapour resistance Sd (EN 1931)	0.089 m (+/- 0.015 m)		
Moisture vapour transmission rate (EN 1931)	460 g/m <sup>2</sup> /24hrs		
Water penetration (EN 1928)	Before ageing:	Class W2	
	After ageing:	Class W2	
Tensile strength (EN 12311-1)	Before ageing:	MD 230 N (- 60 N)	CD 160 N (- 40 N)
	After ageing:	MD 160 N (- 60 N)	CD 110 N (- 40 N)
Elongation (EN 12311-1)	Before ageing:	MD 25 % (+/- 5 %)	CD 8 % (+/- 2 %)
	After ageing:	MD 15 % (+/- 5 %)	CD 6 % (+/- 2 %)
Tear resistance (EN 12310-1)	MD 170 N (- 70 N)	CD 150 N (- 70 N)	
Flexibility at low temperature (EN 1109)	No cracking at minus 40°C		
Air Permeability (EN 12114)	16.5 m <sup>3</sup> /m <sup>2</sup> /hr (at 50 Pa)		

\* When tested to EN 11925-2

### Conditions applicable to the end use of the product

Rolls should be stored flat or on a clean, level surface and kept under cover. After application of the reflective membrane the primary wall covering shall be applied immediately, within a maximum of 28 days. If it is not possible to apply the primary cover within this period, adequate measures should be taken to protect the membrane. When applying the membrane to a prefabricated panel, additional precautions should be taken to ensure the panels are covered and protected during storage and transportation, prior to installation of the panel on the building. The membrane can be damaged by high winds, prolonged UV exposure, careless handling and vandalism.

### Method of Installation

Any guidelines concerning installation that are supplied with the product should be consulted prior to laying. For general information – unroll the breather membrane and fit directly to the timber sheathing ensuring that the lower base timbers are covered, and the reflective side of the fabric is installed to the outside i.e. next to the air cavity. Lap the breather membrane by 100mm horizontally, 150mm vertically and external corners by 300mm. Upper layers should overlap lower to shed water away from the sheathing.

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