



# PROTHERM LIGHT® FRP

COMPOSITE PANEL FOR PASSIVE FIRE PROTECTION  
OF STRUCTURAL FRP REINFORCEMENTS AND ORGANIC RESIN

PROTHERM LIGHT® FRP			
Composite panel for passive fire protection of structural FRP reinforcements and organic resin			
PRODUCT	Coupled panel for the fire protection of structural reinforcement in FRP and organic resin.		
PACKAGING AND STORAGE	<ul style="list-style-type: none"> <li>Panel with smooth edge 360 x 700 mm [0,252 m<sup>2</sup>].</li> <li>Pallet: 80 x 120 cm, height 110 cm - Content: 15 boxes - Each box contains 5 panels.</li> <li>Available colours: white/grey.</li> <li>Stock in a dry and fresh place, away from frost and water.</li> </ul>		
COMPOSITION	Composite panel composed of a nanotechnological panel and a layer of thermal insulating plaster, total thickness 40 mm.		
APPLICATION FIELDS	Passive fire protection of structural reinforcement in FRP and organic resin.		
WARNINGS	<ul style="list-style-type: none"> <li>Do not apply under the rain, with temperatures below +5 °C and risk of frost.</li> <li>Apply the product with relative humidity between 45% and 80%. Do not apply with too low relative humidity.</li> <li>For application details, consult the "Application manual Protherm Light® FRP" or contact the Edilteco Technical Department.</li> </ul>		
TECHNICAL CHARACTERISTICS <i>(Thermal insulating panel)</i>	DESCRIPTION	UNIT OF MEASURE	VALUE
	Fire reaction:	-	A2-s1,d0
	Nominal density:	kg/m <sup>3</sup>	200 ± 30
	Specific heat:	J/kgK	1.000
	Permeability to water vapour:	μ	0,07
TECHNICAL CHARACTERISTICS <i>(Thermal insulating plaster)</i>	DESCRIPTION	UNIT OF MEASURE	VALUE
	Specific weight:	kg/m <sup>3</sup>	300
	Resistance to water vapour diffusion:	μ	9
	Fire reaction:	-	A1
TECHNICAL CHARACTERISTICS OF THE COMPOSITE PANEL	DESCRIPTION	UNIT OF MEASURE	VALUE
	Heat resistance:	m <sup>2</sup> K/W	2,8
	Panel density:	kg/m <sup>2</sup>	11
	Thickness:	mm	40
	Height:	mm	700
	Width:	mm	360
Weight:	kg	≈ 3	
<p>All the indications provided in this technical data sheet are purely approximate and not binding for legal purpose. The data listed has been gathered from laboratory tests and it hence follows that in practical applications on building sites the final characteristics of the products may be subject to substantial variations depending on the meteorological conditions and the installation. The user must always check suitability of the product for its specific use, undertaking all liability implicit in and deriving from use of the product, as well as comply with all methods and instructions for use generally referable to "workmanlike" execution. Edilteco S.p.A. reserves the right to change the contents of this mechanical data sheet on its final judgements. The spreading of this data sheet through any media, supersedes and cancels the validity of any other technical data sheet previously published.</p>			



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