

Foilex INSULATION (Profast)

Product Construction

Composition	Description	Value (Metric)	
		Foilex (125 GSM.) ฉลากแดง	Foilex (140GSM.) ฉลากส้ม
Foil	Aluminum	7 micron	7 micron
Reinforcing - MD	Fiberglass	8 / 100mm	8 / 100mm
Reinforcing - XD	Fiberglass	12 / 100mm	12 / 100mm
Adhesive	Adhesive	Polyethylene	Polyethylene
Kraft	Natural	60gsm	75gsm
Adhesive	Adhesive	Polyethylene	Polyethylene
Foil	Aluminum	7 micron	7 micron

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Typical Physical Properties

Physical Properties	Test Method	Value (Metric)	
		Foilex (125 GSM.) ฉนวนแดง	Foilex (140GSM.) ฉนวนส้ม
Basis Weight	Scale	125 gsm	140 gsm
Tensile Strength - MD	ASTM D828	155 N/25mm	247 N/25mm
Tensile Strength - XD	ASTM D828	85 N/25mm	162 N/25mm
Burst Strength	ASTM D774	36 N/cm ²	45 N/cm ²
Low Temperature Resistance	ASTM D1790 4 hrs @ -40 °F (- 40 °C)	Remains Flexible No Delamination	Remains Flexible No Delamination
High Temperature Resistance	ASTM D1790 4 hrs @ +240 °F (+116 °C)	Remains Flexible No Delamination	Remains Flexible No Delamination
Emissivity	ASTM E408	0.03	0.05
Reflectance energy	ASTM E468	95%	95%
Fiberglass reinforce tension direction	-	3	3
Protection flame spread IGNITABILITY Performance	BS 476-5	P, NON-IGNITABLE	P, NON-IGNITABLE
Fire Propagation	BS 476-6	Class 0	Class 0
Surface spread of flame	BS 476-7	Class 1	Class 1