TECHNICAL DETAILS

PHYSICAL PROPERTIES	UNIT	RESULT	TEST
Thickness (e) Tolerance	mm	± 10% e	EN12467
Length and Width Tolerance	mm	±3	EN12467
Straightness of Edges	%	0.1	EN12467
Squareness of Edges	mm/m	2	EN12467
Density	kg/m³	1300±50	EN12467
Modulus of Rupture Value (wet)	MPa	≥7	EN12467
Modulus of Rupture Value (dry)	MPa	≥10	EN12467
Thermal Conductivity	W/(m.K)	≤ 0.25	ASTM C177
Resistance to Nail Head Pull- Through	N	≥ 400	ISO 8336
FIRE PROPERTIES			
Fire Propagation		Class “0” (<2)	BS 476 Part 6
Surface Spread of flame		Class 1 Class“A”	BS476 Part7 ASTME 84
System Flame Resistant	hrs. Min	Integrity ≥ 2 Insulation - 8	BS 476 Part 20-22 BS 476 Part 20-22
Ignitability		Class “P”	BS 476 Part 5
Combustibility		Non-Combustible	BS 476 part 4
Smoke Development		Class “A”	ASTM E84
Reaction to Fire		A1	EN 13501
MOISTURE			
Moisture Content	%	≤15	ASTM C 1185
Moisture Movement	%	≤0.15	ISO 8336
Water vapor Transmission	Kg/m².s.Pa	$\leq 1.5 \times 10^{-4}$	ISO 8336
Water Absorption	%	≤35	ASTM C 1185
Impermeability		PASS	EN12467
PH		10 to 12	
DURABILITY PROPERTIES			
Freeze/Thaw		PASS	EN12467
Heat-Rain		PASS	EN12467
Warm Water		PASS	EN12467
Soak-dry		PASS	EN12467

(ASTM— American Standard, BS— British Standard, EN—European Standard)
The properties in above table are mean values provided for informational purposes only. If any certain properties are critical for any particular application, it is advisable to consult the EL TORO Technical staff for more information.