

Trimoterm A12T1

Trimoterm self-supporting roof, wall and ceiling sandwich panels



EN 14509:2006



1404-CPR-2117

Characteristic	Test method	Values of individual product thicknesses									
		50	60	80	100	120	133	150	172	200	240
Thickness [mm]	EN 508-1	50	60	80	100	120	133	150	172	200	240
Weight - wall panels [kg/m ²]*	EN 14509:2006	16,3	17,5	19,9	22,3	24,7	26,3	28,3	31,0	34,3	39,1
Weight - roof panels [kg/m ²]*	EN 14509:2006	-	18,9	21,3	23,7	26,1	-	29,7	32,4	35,7	-
Core density [kg/m ³]	EN 1602	120									
Use	EN 14509:2006	External walls, internal walls, roofs and ceilings									
Cover width	EN 14509:2006	600-1200 mm (FTV, FTV R, FTV HL), 1000 mm (SNV)									
Lenght	EN 508-1	Up to 14 m									
External facing	EN 10326	Steel sheet, stainless steel; thicknesses 0.5, 0.55, 0.6, 0.7									
Internal facing	EN 10326	Steel sheet, stainless steel; thicknesses 0.5, 0.55, 0.6, 0.7									
Coating	EN 10169-1	Standard coating polyester, also PVDF, PUR, PVC, FoodSafe available									
Thermal transmittance U [W/m ² K] - wall FTV, FTV HL	EN 14509:2006	0,75	0,64	0,49	0,40	0,33	0,30	0,27	0,24	0,20	0,17
Thermal transmittance U [W/m ² K] - wall SNV	EN 14509:2006	-	0,64	0,49	0,40	0,33	-	0,27	0,24	0,20	-
Thermal transmittance U [W/m ² K] - ceiling	EN 14509:2006	0,77	0,65	0,50	0,40	0,34	0,31	0,27	0,24	0,21	0,17
Thermal influence of the longitudinal joint ΔU _j [W/mK] - FTV	EN 14509:2006	0,020	0,013	0,007	0,004	0,003	0,003	0,002	0,001	0,001	0,001
Thermal influence of the longitudinal joint ΔU _j (FTV HL)	EN 14509:2006	0,052	0,030	0,015	0,009	0,006	0,005	0,004	0,003	0,002	0,002
Thermal transmittance U _{n,s} [W/m ² K] - roof SNV	EN 14509:2006	-	0,65	0,50	0,40	0,34	-	0,27	0,24	0,00	-
Thermal influence of the longitudinal joint ΔU _j (SNV)	EN 14509:2006	-	0,007	0,004	0,003	0,002	-	0,001	0,001	0,001	-
Reaction to fire**	EN 13501-1	A2 - s1,d0									
Fire resistance FTV (walls)	EN 13501-2	NPD	EI30	EI60	EI120			EI180		EI240	
Fire resistance FTV HL (walls)	EN 13501-2	NPD	EI30	EI60	EI120			EI180	EI240		
Fire resistance SNV (loadbearing roof or ceiling)	EN 13501-2	-	REI30	REI60	REI120		-	REI180		-	
Fire resistance (non-loadbearing ceiling)	EN 13501-2	NPD	NPD	NPD	EI120						
External fire performance (roof)	ENV 1187	BROOF (t1,2,3)									
Water permeability	EN 12865	1200 Pa (Wall), 900 Pa (Roof)									
Air permeability (C [m ³ /Pa*s]; n) - FTV	EN 12114	n = 3.0, C = 0.000000011									
Air permeability (C [m ³ /Pa*s]; n) - FTV HL	EN 12114	n = 0.8055, C = 0.008996									
Air permeability (C [m ³ /Pa*s]; n) - SNV	EN 12114	n = 1.00, C = 0.00019									
Water vapour permeability	EN 14509:2006	Impermeable									
Airborne sound insulation FTV, FTV HL: R _w (C:C _{tr})	EN ISO 10140-3	NPD	30(-2;-3)	31(-2;-3)	32(-1;-3)			32(-1;-2)			
Airborne sound insulation SNV: R _w (C:C _{tr})	EN ISO 10140-3	NPD	32(-1;-4)		33(-1;-4)						
Durability - all colors	EN 14509:2006	Pass									

* Panels with standard facings 0,6/0,6 mm

** Note that panels with X profile (Multivario) and with PVC coatings are classified in Euroclass B-s1, d0

NPD No performance determined