

DECLARATION OF PERFORMANCE (DOP)





DESCRIPTION OF THE PRODUCT

DOC. NO: SMT-CPB01

Cement Particle Board is a composite building panel made up of cement and woodchips which is particularly designed to be used for interior/exterior cladding, flooring, drywalls, partitions, ventilated facades and through wall systems in regular, prefabricated and LGS buildings.

TECHNICAL QUALITIES	SMARTCPBPro CEMENT-BONDED PARTICLE BOARD	RELATED APPLICABLE STANDARDS
		TS EN 634/1-2
Weight Per Unit Volume	1650 ± 50 kg/m ³	TS EN 323
Bending Strength	≥ 9 N/mm ²	TS EN 310
Bending Elasticity	≥ 4500 N/mm ² (Class 1)	TS EN 310
Internal Adherence	≥ 0,5 N/mm ²	TS EN 319
	≥ 0,3 N/mm ²	TS EN 321
Compressive Strength	≥ 15 N/mm ²	TS EN 789
Change in Thickness (After 24 hrs Water Exp.)	≤ % 1,5	TS EN 317
	≤ % 1,5	TS EN 321
Product Humidity	% 9 ± 3	TS EN 322
Thickness Tolerance	08-10 mm ± 0,7 mm	TS EN 324-1
	12-14 mm ± 1,0 mm	
	16-18 mm ± 1,2 mm	
	>18 ± 1,5 mm	
Screw Holding Force	102 N/mm	TS EN 320
Thermal Conductivity (λ)	0,19 W/mK	TS EN 12664
Fire Resistance	A2	TS EN 13501-1+A1
Oscillation of Formaldehyde	E1	TS EN 13986+A1
Sound Insulation (R)	R _w (C;Ctr)= 33,1(-2;-3) db	TS EN ISO 717
Water Vapor Permeability	Dry Plate = 50 Wet Plate = 30	TS EN 13986+A1
pH Value	11-13	N/A
Asbestos	Asbestos Free	N/A

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