

Specifications	CE Marking code	Reference Standard	Unit	COREVO SIGN	COREVO K
Color	-	-	-	White	Black
Thickness	-	UNI EN 823	mm	6÷100	6÷65
Width	-	UNI EN 822	mm	1025	1025
Length	-	UNI EN 822	mm	3055	3055
Tolerances	-	-	-	T3	T3
Thickness Tolerance	-	UNI EN 13164	mm	± 0,5	± 0,5
Width Tolerance	-	UNI EN 13164	mm	-0/+5	-0/+5
Length Tolerance	-	UNI EN 13164	mm	± 10	± 10
Squareness (Sb)	-	UNI EN 13164	mm/m	1,5	1,5
Flatness (Smax)	-	UNI EN 13164	mm/m	2	2
Straightness on the long edge	-	-	mm/m	1	1
Surface Finishing	-	-	-	Rough*	Rough*
Edge Finishing	-	-	-	Straight edges	Straight edges
Specific heat	-	-	J/kgK	1450	1450
Density	-	-	Kg/m <sup>3</sup>	32 ± 10%	32 ± 10%
Linear thermal expansion coefficient	-	-	mm/mK	0,07	0,07
Declared thermal Conductivity	λ <sub>D</sub>	UNI EN 13164/12667	W/mK	0,035 (06÷19 mm) 0,032 (20÷30 mm) 0,033 (40÷50 mm) 0,034 (60 mm) 0,035 (80÷100 mm)	0,035 (06÷19 mm) 0,032 (20÷30 mm) 0,033 (40÷50 mm) 0,034 (60 mm)
Compressive strength with crushing of 10%	CS(10\Y)	UNI EN 826	Kpa	≥ 300 (06÷19 mm) ≥ 200 (20÷40 mm) ≥ 250 (50÷60 mm) ≥ 300 (80÷100 mm)	≥ 300 (06÷19 mm) ≥ 200 (20÷40 mm) ≥ 250 (50÷65 mm)
Volatile organic compounds	-	[VOC, CAM,LEED]	-	pass	pass
Tensile strength perpendicular to the faces	-	UNI EN 1607	KPa	TR600	TR600
Compression elastic modulus	-	UNI EN 826	Kpa	10000	10000
Tensile strength	-	UNI EN 1607	KPa	≥ 600	≥ 600
Tensile elastic modulus	-	UNI EN 1607	Kpa	5000	5000
Shear resistance	-	UNI EN 12090	Kpa	≥ 260	≥ 260
Elastic modulus when sheared	-	UNI EN 12090	Kpa	2700	2700
Resistance to water vapor diffusion (μ)	-	UNI EN 12086	-	150	150
Water absorption by total immersion (28 days)	WL(T)	UNI EN 12087	Vol.%	≤ 0,7	≤ 0,7
Resistance to freeze (frosting-defrosting alternation)	-	UNI EN 12091	Vol.%	≤ 2 (sp. 06÷50 mm) ≤ 1 (sp. 60÷100 mm)	≤ 2 (sp. 06÷50 mm) ≤ 1 (sp. 65 mm)
Water absorption by diffusion (28 days)	-	UNI EN 12088	Vol.%	≤ 5 (sp. 06÷50 mm) ≤ 3 (sp. 60÷100 mm)	≤ 5 (sp. 06÷50 mm) ≤ 3 (sp. 65 mm)
Dimensional stability at 70 °C, 90% UR Changes in the thickness, length and width	DS(TH)	UNI EN 1604	%	≤ 5	≤ 5
Deformation behavior Test conditions: 70 °C, 168 h, 40 kPa	DLT(2)	UNI EN 1605	%	≤ 5	≤ 5
Reaction to fire	-	EN 13501-1	Euroclass	E	E
Temperature limit use	-	-	°C	75	75
Closed cells	-	-	%	> 96	> 96
Identification code	-	XPS EN 13164	T3 – CS(10/Y)200÷300– DS(T-H) – TR 600 – MU150		