

Specifications	CE Marking code	Reference Standard	Unit	COREVO H	COREVO HP
Color	-	-	-	Indigo	Indigo
Thickness	-	UNI EN 823	mm	6÷100	40÷100
Width	-	UNI EN 822	mm	900÷1250	900÷1250
Length	-	UNI EN 822	mm	2000÷4000	2000÷3000
Tolerances	-	-	-	T3	T1
Thickness Tolerance	-	UNI EN 13164	mm	± 0,5	-2/+2 (< 50 mm) -2/+3 (50÷100 mm)
Width Tolerance	-	UNI EN 13164	mm	-0/+5	-0/+5
Length Tolerance	-	UNI EN 13164	mm	-0/+15	-0/+15
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*	With skin
Edge Finishing	-	-	-	Straight edges	Straight edges
Specific heat	-	-	J/kgK	1450	1450
Density	-	-	Kg/m ³	32 ± 10%	33 ± 10%
Linear thermal expansion coefficient	-	-	mm/mK	0,07	-
Declared thermal Conductivity	λ _D	UNI EN 13164:2012	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)	0,033 (40÷50 mm) 0,034 (60 mm) 0,035 (80÷100 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 (40÷100 mm)
Volatile organic compounds	-	[VOC, CAM, LEED]		pass	-
Tensile strength perpendicular to the faces	-	UNI EN 1607	KPa	TR600	-
Compression elastic modulus	-	UNI EN 826	Kpa	10000	-
Tensile strength	-	UNI EN 1607	KPa	≥ 600	-
Tensile elastic modulus	-	UNI EN 1607	Kpa	5000	-
Shear resistance	-	UNI EN 12090	Kpa	≥ 260	-
Elastic modulus when sheared	-	UNI EN 12090	Kpa	2700	-
Resistance to water vapor diffusion (μ)	-	UNI EN 12086	-	150	150 (30 mm) 100 (40÷100 mm)
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)	≤ 1
Water absorption by diffusion (28 days)	-	UNI EN 12088	Vol.%	≤ 5 (sp. 06÷50 mm) ≤ 3 (sp. 60÷100 mm)	≤ 5 (40÷50 mm) ≤ 3 (60÷100 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/T1 – CS(10/Y)200÷300– DS(T-H) – MU100÷150		