

Specifications	CE Marking code	Reference Standard	Unit	COREVO FOAM	COREVO HD	COREVO SILVER
Color	-	-	-	Indigo	Indigo	Grey
Thickness	-	UNI EN 823	mm	6÷120	10÷80	20÷100
Width	-	UNI EN 822	mm	600÷625	600÷615	600
Length	-	UNI EN 822	mm	1000÷3000	1250, 2500	1000
Tolerances	-	-	-	T3	T3	T3
Thickness tolerance	-	UNI EN 13164	mm	± 0,5	± 0,5	± 0,5
Width tolerance	-	UNI EN 13164	mm	-0/+3	-0/+3	-0/+3
Length tolerance	-	UNI EN 13164	mm	-0/+15	-0/+15	-0/+15
Squareness (Sb)	-	UNI EN 13164	mm/m	1,5	1,5	1,5
Flatness (Smax)	-	UNI EN 13164	mm/m	2	2	2
Straightness on the long edge	-	-	mm/m	1	1	1
Surface Finishing	-	-	-	Rough*	Rough*	Rough*
Edge Finishing	-	-	-	Straight edges	Straight edges	Straight edges
Specific heat	-	-	J/kgK	1450	1450	1450
Density	-	-	Kg/m <sup>3</sup>	31 ± 10%	35 ± 5%	33 ± 5%
Linear thermal expansion coefficient	-	-	mm/mK	0,07	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) 0,036 (120 mm)	0,035 (10÷80 mm)	0,031 (20÷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÷120 mm)	≥400 (10÷80 mm)	≥ 300 (20÷100 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	10000
Tensile strength	-	UNI EN 1607	KPa	≥ 600	≥ 600	≥ 600
Tensile elastic modulus	-	UNI EN 1607	Kpa	5000	5000	5000
Shear resistance	-	UNI EN 12090	Kpa	≥ 260	≥ 260	≥ 260
Elastic modulus when sheared	-	UNI EN 12090	Kpa	2700	2700	2700
Resistance to water vapor diffusion (μ)	-	UNI EN 12086	-	150	150	150
Water absorption by total immersion (28 days)	WL(T)	UNI EN 12087	Vol.%	≤ 0,7	≤ 0,7	≤ 0,7
Resistance to freeze (frosting-defrosting alternation)	-	UNI EN 12091	Vol.-%	≤ 2 (sp. 06÷50 mm) ≤ 1 (sp. 60÷120 mm)	≤ 2 (sp. 10÷50 mm) ≤ 1 (sp. 60÷80 mm)	≤ 2 (sp. 20÷50 mm) ≤ 1 (sp. 60÷100 mm)
Water absorption by diffusion (28 days)	-	UNI EN 12088	Vol.-%	≤ 5 (sp. 06÷50 mm) ≤ 3 (sp. 60÷120 mm)	≤ 5 (sp. 10÷50 mm) ≤ 3 (sp. 60÷80 mm)	≤ 5 (sp. 20÷50 mm) ≤ 3 (sp. 60÷100 mm)
Dimensional stability at 70 °C, 90% UR Changes in the thickness, length and width	DS(TH)	UNI EN 1604	%	≤ 5	≤ 5	≤ 5
Deformation behavior Test conditions: 70 °C, 168 h, 40 kPa	DLT(2)	UNI EN 1605	%	≤ 5	≤ 5	≤ 5
Reaction to fire	-	EN 13501-1	Euroclass	E	E	E
Temperature limit use	-	-	°C	75	75	75
Closed cells	-	-	%	> 96	> 96	> 96
Identification code	-	XPS-EN 13164	T3 – CS(10/Y)300÷400– DS(T-H) – MU150			