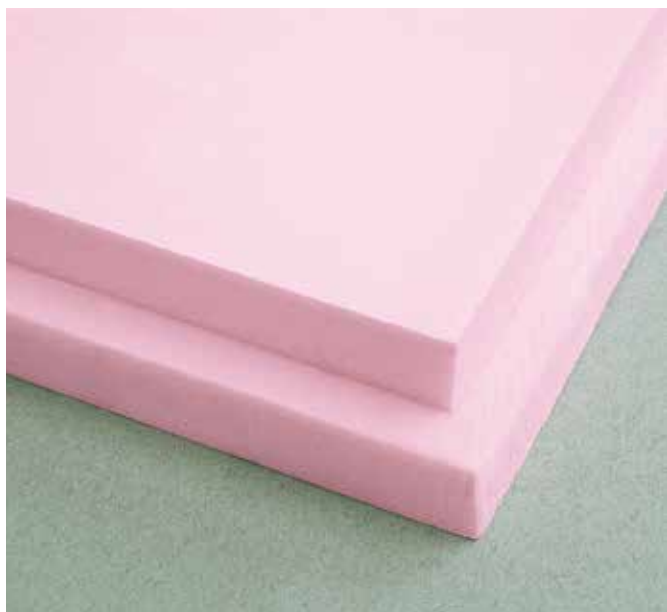


EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS

CT XPS



- CT XPS is a thermal insulation material in the form of rigid boards, manufactured out of polystyrene, a derivative of petroleum, by using the extrusion method.
- The boards have a closed-cell structure and therefore are resistant to water and humidity.
- They have an excellent thermal insulation property. It can be applied to exterior walls of buildings, basements and ground level perimeter.

THERMAL INSULATION BOARDS

TECHNICAL SPECIFICATIONS	UNIT	DESCRIPTION								TOLERANCE	STANDARD
Material	-	Extrude Polystyrene Insulation Board								-	TS EN 13164
Border profile	-	Square								-	-
Shape of surface	-	Rough								-	-
Density	kg/m ²	min. 28				min. 30		min. 32		-	-
Width	mm	600								± 8	TS EN 822
Length	mm	1250								± 10	TS EN 823
Thickness	mm	30	40	50	60	70	80	100	120	T3	TS EN 823
Fire behaviour	-	E									TS EN 13501-1
Thermal conductivity declared value (10°C)	W/mK	0,035								-	TS EN 13164
Thermal resistance	m ² K/W	0,85	1,10	1,40	1,70	2,00	2,25	2,85	3,40	-	TS EN 823
Max. service temperature	°C	-50/+75								-	-
Thermal conductivity declared value	-	90								MU90	TS EN 12086
Tensile strength	kPa	min. 200								TR200	TS EN 1607
Surface smoothness	mm	max. 7								-	TS EN 825
Dimensional strength at specific tensile strength and temperature	%	max. 5								DLT(1)5 DLT(2)5	TS EN 1605
Dimensional strength at specific tensile temperature and humidity	%	max. 5 (at 70±2 °C after 48 hours) max. 5 (at 70±2 °C and %50 relative humidity after 48 hours) max. 2 (at 23±2 °C and %50 relative humidity after 48 hours)								DLT(T+)5 DS(TH)5 -	TS EN 1604
Dimensional strength	kPa	min.200								CS(10/Y)200	TS EN 826
Compression strength	kPa	5								CC(2/1,5/10)5	TS EN 1606
Freeze-Thaw resistance	%	max.1								FT1	TS EN 12091
Water absorption by total immersion	%	max.(0,7)								WL(T) 0,7	TS EN 12087
Long term water absorption by diffusion	%	max.5								WD(V)5	TS EN 12088
Linear material	mm/mK	max.(0,07								-	-
Packaging material	-	PE Film								-	-
Packaging amount	piece-m ² package	14-10,5	10-7,5	8-6	7-5,25	6-4,5	5-3,75	4-3	3-2,25	-	-