

CHIPBOARD CORE PANELS

High density chipboard core E1 class, 650 kg/m³, bonded with a moisture curing adhesive into a patented double folded lock of fully encapsulated 0.5mm hot deep galvanized steel.

The dimensional tolerances per UNI EN 12825 at the highest Class 1.

	C3TTL	C4TTL	C4TTM	C4TTH
	LIGHT GRADE	Light Grade	Medium Grade	Heavy Grade
Panel dimensions:	600*600*23 mm / 8 kg	600*600*29 mm / 9 kg	600*600*29 mm / 9,6 kg	600*600*29 mm / 10,3 kg
Point load at weakest point	> 2.55 kN	> 3.57 kN	> 4.12 kN	> 4.20 kN
Ultimate load with Safety Factor 3	> 7.47 kN	> 8.01 kN	> 9.90 kN	> 11.86 kN
Working load fixed deflection < 2.5 mm	> 3.00 kN	> 3.50 kN	> 4.00 kN	> 4.50 kN
RATED CLASS AS PER UNI EN 12825	2/3,0/A/1	2/3,0/A/1	4/3,0/A/1	5/3,0/A/1
Fire reaction EN 13501-1:	Class 1, B _{fi} -S	Class 1, B _{fi} -S	Class 1, B _{fi} -S1	Class 1, B _{fi} -S1
Fire resistance EN 13501-2:	R.E.I. 30, R.E.90	R.E.I. 30, R.E.90	R.E.I. 30, R.E.90	R.E.I. 30, R.E.90
Air bone noise as per ISO 717 - 1 Dn1f1w:	> 42 dB	> 42 dB	> 46 dB	> 42 dB
Impact noise as per ISO 717 - 2 Ln1w:	< 68 dB	< 68 dB	< 69 dB	< 68 dB

CALCIUM SULFATE CORE PANELS

Core on Calcium sulphate and fibre density 1.100 to 1.500 kg / m³

Top and Low tray hot deep galvanized steel 0.5 mm double folded lock of fully encapsulated.

The dimensional tolerances per UNI EN 12825 at the highest Class 1.

	P3TTL	P3TTM	C4TTM	C4TTH
	LIGHT GRADE	Medium Grade	Medium + Grade	Heavy Grade
Panel dimensions:	600*600*23 mm / 11.8 kg	600*600*29 mm / 14.95kg	600*600*29 mm / 14,49 kg	600*600*29 mm / 17,30 kg
Point load at weakest point	> 3.00 kN	> 4.38 kN	> 5,00 kN	> 6.25 kN
Ultimate load with Safety Factor 3	> 7.61 kN	> 10.68 kN	> 10.20 kN	> 13.00 kN
Working load fixed deflection < 2.5 mm	> 3.00 kN	> 4.00 kN	> 5.00 kN	> 6.00 kN
RATED CLASS AS PER UNI EN 12825	2/3,0/A/1	3/3,0/A/1	5/3,0/A/1	6/3,0/A/1
Fire reaction EN 13501-1:	Class 0, A2fi-S	Class 0, A2fi-S	Class 0, A2fi-S	Class 0, A2fi-S
Fire resistance EN 13501-2:	R.E.I. 60, R.E.90	R.E.I. 60, R.E.90	R.E.I. 60, R.E.90	R.E.I. 60, R.E.90
Air bone noise as per ISO 717 - 1 Dn1f1w:	> 43 dB	> 43 dB	> 43 dB	> 44 dB
Impact noise as per ISO 717 - 2 Ln1w:	< 67 dB	< 67 dB	< 67 dB	< 67 dB