

Technical Data

Pyrotech Panel (Fire Retardant MDF)

TECHNICAL DATA-AVERAGE VALUES										
TEST METHOD	PROPERTIES	UNITS	THICKNESS mm							
			2,5 - 4	>4/6	>6/9	>9/12	>12/19	>19/30	>30/45	>45/60
EN 323	DENSITY (*)	kg/m ³	880	860	840/830	830/800	800/780	780/760	760/720	720/680
EN 319	INTERNAL BOND	N/mm ²	0.65	0.65	0.65	0.60	0.55	0.55	0.55	0.50
EN 310	BENDING STRENGTH	N/mm ²	23	23	23	22	20	18	17	15
EN 310	MODULUS OF ELASTICITY	N/mm ²	2700	2700	2700	2500	2200	2100	1900	1700
EN 317	THICKNESS SWELLING 24 H	%	35	30	17	15	12	10	8	6
EN 318	DIMENSIONAL MOVEMENT LENGTH/WIDTH	%	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
EN 318	DIMENSIONAL MOVEMENT THICKNESS	%	6	6	6	6	6	5	5	5
EN 311	SURFACE SOUNDNESS	N/mm ²	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
EN 382-1	SURFACE ABSORPTION (TWO FACES)	mm	> 150	> 150	> 150	> 150	> 150	> 150	> 150	> 150
EN 322	MOISTURE CONTENT	%	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3
ISO 3340	GRIT CONTENT	% Weight	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05
EN 120	FORMALDEHYDE CONTENT CLASS E0	mg/100 g	<3 E0	<3 E0	<3 E0	<3 E0	<3 E0	<3 E0	<3 E0	<3 E0

TOLERANCE ON NOMINAL DIMENSIONS										
TEST METHOD	PROPERTIES	UNITS	THICKNESS mm							
			2,5 - 4	>4/6	>6/9	>9/12	>12/19	>19/30	>30/45	>45/60
EN 324-1	THICKNESS	mm	+/-0.20	+/-0.20	+/-0.20	+/-0.20	+/-0.20	+/-0.30	+/-0.30	+/-0.30
EN-324-1	LENGTH/WIDTH	mm	+/- 2 mm/m max +/- 5 mm.	+/- 2 mm/m max +/- 5 mm.	+/- 2 mm/m max +/- 5 mm.	+/- 2 mm/m max +/- 5 mm.	+/- 2 mm/m max +/- 5 mm.	+/- 2 mm/m max +/- 5 mm.	+/- 2 mm/m max +/- 5 mm.	+/- 2 mm/m max +/- 5 mm.
EN 324-2	SQUARENESS	mm/m	+/- 2 mm/m.	+/- 2 mm/m.	+/- 2 mm/m.	+/- 2 mm/m.	+/- 2 mm/m.	+/- 2 mm/m.	+/- 2 mm/m.	+/- 2 mm/m.
EN-324-2	EDGE STRAIGHTNESS	mm/m	+/-1.5 mm/m.	+/-1.5 mm/m.	+/-1.5 mm/m.	+/-1.5 mm/m.	+/-1.5 mm/m.	+/-1.5 mm/m.	+/-1.5 mm/m.	+/-1.5 mm/m.

(*) VALUES TO BE CONSIDERED AS A ROUGH GUIDE ONLY.
THESE PHYSICAL MECHANICAL PROPERTIES COMPLY WITH EN 622-5:2006 TABLE 3.

