



# FINSA

## Fimapan Fire Retardant

Technical data-average values

Rev: 07/22/2019

Properties	Test method	Units	Thicknesses mm				
			8/13	>13/20	>20/25	>25/32	>32/40
Density (*)	EN 323	kg/m <sup>3</sup>	740	710	695	675	660
Internal bond	EN 319	N/mm <sup>2</sup>	0.40	0.35	0.30	0.25	0.20
Bending strength	EN 310	N/mm <sup>2</sup>	11	11	10.5	9.5	8.5
Modulus of elasticity	EN 310	N/mm <sup>2</sup>	1800	1600	1500	1350	1200
Thickness swelling 2 h	EN 317	%	6	6	6	6	6
Surface soundness	EN 311	N/mm <sup>2</sup>	0,8	0,8	0,8	0,8	0,8
Moisture content	EN 322	%	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3
Grit content	ISO 3340	% Weight	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05
Formaldehyde emission	EN 717-1	ppm	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8
Reaction to fire	EN 13501-1	Euroclass	B-s1, d0	B-s1, d0	B-s1, d0	B-s1, d0	B-s1, d0
Sound absorption coefficient (α) (250 a 500 hz)	EN 13984:2004+A1:2015	α	0.10	0.10	0.10	0.10	0.10
Sound absorption coefficient (α) (1000 a 2000 hz)	EN 13984:2004+A1:2015	α	0.25	0.25	0.25	0.25	0.25
Thermal conductivity	EN 13984:2004+A1:2015	W/ (m <sup>2</sup> K)	0.15	0.14	0.14	0.14	0.13
Airborne sound insulation (surface mass) (r)	EN 13986:2004+A1:2015	db	24	28	29	31	32
Water vapour permeability dry cup	EN 13986:2004+A1:2015	?	50	50	50	50	50
Water vapour permeability wet cup	EN 13986:2004+A1:2015	?	19	19	19	19	19
Biological durability use	EN 335	Class of use	1	1	1	1	1
Content of pentachlorophenol (pcp)	EN 13986:2004+A1:2015	ppm	< 5	< 5	< 5	< 5	< 5

### Tolerance on nominal dimensions

Properties	Test method	Units	Thicknesses mm				
			8/13	>13/20	>20/25	>25/32	>32/40
Thickness	EN 324-1	mm	+/-0,3	+/-0,3	+/-0,3	+/-0,3	+/-0,3
Length/width	EN-324-1	mm	+/-5	+/-5	+/-5	+/-5	+/-5
Squareness	EN 324-2	mm/m	+/-2	+/-2	+/-2	+/-2	+/-2
Edge straightness	EN-324-2	mm/m	+/-1,5	+/-1,5	+/-1,5	+/-1,5	+/-1,5

(\*) VALUES TO BE CONSIDERED AS A ROUGH GUIDE ONLY.

These physical-mechanical values improve/comply with the P2 classification established in EN 312:2010 European Standard, Table 3. Boards for indoor applications (including furniture) in dry environments (Type P2). Requirements for the specified mechanical properties.

This product meets Class E1 requirements (analysed according EN ISO 12460-5) as defined in EN 312:2010 European Standard.

This product is endorsed by AITIM Quality Labels.

The quality of this product is endorsed by AITIM Quality Labels and CE Marking verified by AENOR, certificate number 0099/CPR/A65/0021. (SELECT)