




FIREWALL BOARD TECHNICAL SHEET

PHYSICAL - CHEMICAL FEATURES	NORMATIVE REFERENCE	RESULTS CLASSIFICATION
PRODUCT TYPE		ASA (styrene, acrylonitrile, acrylic acid), calcium carbonate, PVC, wood fibres, other agents and additives.
INTENDED USE (*1)		outdoor coatings for non-structural use
BOARD DIMENSION		138 X 23 mm
DENSITY	ASTM D792	1.178 g/cm ³
SPECIFIC LOAD	ASTM D792	1,181
RESISTANCE TO ABRASION	ASTM D4060	63 mg (1000revolutions)
LINEAR MASS	EN 15534	2317 g/m
COPING	EN 15534	0.24 mm
LINEAR THERMAL EXPANSION	EN 15534	$35 \times 10^{-6} K^{-1}$
THERMAL REVERSION	EN 15534	change in average length: 0.03%
SWELLING THICKNESS	ASTM D1037	0.19%
BENDING RESISTANCE	ASTM D6109	36.0 MPa
MODULUS OF ELASTICITY	ASTM D6109	3497 MPa
RESISTENZA ASSIALE ALLA TENSIONE	ASTM D4761	19.7 Mpa
FIRE RESISTANCE	EN13501-1:2018	Bfl-s1
COMPRESSION PERPENDICULAR TO LENGTH	ASTM D143	11.2 Mpa
CUT PARALLEL TO LENGTH	ASTM D143	cut load: 6393 N
CUT PERPENDICULAR TO LENGTH	ASTM D143/ ASTM D7031	cut load: 5157 N
SCREW EXTRACTION FROM THE BOARD	ASTM D1037	2753 N
FORMALDEHYDE CONTENT	ASTM D6007	not detected
8 SOLUBLE ELEMENTS	ASTM F963-17 Clausola 4.3.5.2(2)b	not detected
PHTHALATE CONTENT	CPSC-CH-C1001-09.3	not detected
BENDING PROPERTIES	EN 15534	average Fmax: 3305 N minimum Fmax: 3174 N Average deflection under 500N: 1.45mm Average flexural strength: 24.7 Mpa

IMPACT RESISTANCE	ASTM D4495	> 132.3J
RESISTANCE TO FALLING MASS IMPACTS	EN 15534	max. depth of residual indentation: 0.19mm
SLIDING BEHAVIOUR	EN 15534	ΔS (average value): 1.27 mm ΔS (max value): 1.49mm ΔS_r (average value): 1.13mm
THERMAL EXPANSION	ASTM D7031	Variation in length: 0.15% Variation in width: 0.11% variation in thickness: 0.09%
MOISTURE CONTENT	ASTM D4442	0.42%
WATER ABSORPTION (24 h immersion)	ASTM D1037	0.35%
WATER SWELLING AND ABSORPTION (28 days immersion at 20°C)	EN 15534	water absorption: 2.3% variation in length: 0.08% Variation in width: 0.10% Variation in thickness: 0.12%
RESISTENZA ALLO SCIVOLAMENTO	AS 4586-2013 Appendice A	wet pendulum method: P5
	AS 4586-2013 Appendice D	oil-wet inclining platform test method: R11
		Appearance identical to wood
		Available colors: Ipe-teak*-antique*-walnut*
		High resistance to breaking, deformation climatic agents, insect attacks
		Highly durable and easy to maintain
		easy to install
MAIN FEATURES	Stain-resistant	
	Scratch-resistant	
	Resistant to fading	
	Resistant to fire	
<p>"(*1) When installing the product, the instructions given at the end of the catalogue must be scrupulously followed. (*2) Particular environmental conditions or friction with other non-conductive materials may give rise to electrostatic phenomena, which are to be considered normal due to the polymeric nature of the material. These phenomena are subject to reduction with normal wear of the product and can be contained with the use of specific antistatic sprays.</p> <p>NOTES: - Technical data may be subject to change without prior notice. - Different production batches may show variations, even strong ones.</p> <p>A tolerance of +/-2% in the dimensions of the staves is to be considered acceptable."</p>		