SMART BOARD COMPOSITE DECKING

TECHNICAL DATA SHEET

ND60

Characteristics	
Composition	60% Natural Wood Powder 40% HDPE & Additives
Profile	Dual side, 1 face ribbed & 1 face smooth
Fixing	On aluminium or wood keels, fix with screws
Colors	Grey, Sahara, Tobacco
Section / mm (H*l)	20x138
Lenght (mm)	3600
Linear mass (Kg/m)	3.60

Technical Characteristics			Value	Unit	Norm
Physical caracteristic	Density		1350	kg/m^3	ISO 1183-1
Flexural properties	Bending Strength		34.5	MPa	EN 15534-1:2014
	Modulus of elasitcity:		4.90	GPa	
	Maximum load	Mean	3252	N	
		Min.	3007	N	
	Deflection at 500N	Mean	1.49	mm	
		Max	1.56	mm	
Moisture resistance under cyclic test conditions	Original MOR		34.5	mpa	EN 15534-1:2014 Section 8.3.2 EN 321: 2002
	After exposure	Mean MOR	29.6	mpa	
		Mean decrease	14	%	
		Min. MOR	27.3	mpa	
		Max. decrease	21	%	
Coefficient of linear Thermal Expansion	Mean value		36.1 x10^{-6} K^{-1}	mm/mm10°C	ASTM D696 : 2016
Boiling	Water absorption in weight	Mean	0.49	%	EN 15534-1:2014 Section 8.3.3 EN 15534-4:2014 Section 4.5.5
		Max.	0.56		
Swelling after boiling (28 days immersion)		Mean swelling	3.02	% in thickness	EN 15534-1:2014 Section 8.3.3 and 8.3.1
			0.10	% in width	
			0.09	% in length	
		Max. swelling	3.35	% in thickness	
			0.13	% in width	
			0.13	% in length	
Fire Behaviour	Class		C_{fl}s2		EN 15534-4

*400 mm max. span

Loading Capacity

Length: 3600 mm Pallet: 112 pcs - 403,2 ml - 1520kg | Container 40' FCL : 16 Pallet - 1792 pcs - 6451.2

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