

TECHNICAL SPECIFICATIONS

PRODUCT: DECKING BOARD

SERIES: 

ITEMS	Standard	Remarks	Results	Unit Measurement
Specific Gravity	ASTM D792		1,27	g/cm ³
MOE - High Temperature	ASTM D7032	52 Celsius	2510	Mpa
MOE - Low Temperature	ASTM D7032	-29 Celsius	6030	Mpa
MOE - Ambient Temperature	ASTM D7032	23 Celsius	4160	Mpa
MOR - High Temperature	ASTM D7032	52 Celsius	16,9	Mpa
MOR - Low Temperature	ASTM D7032	-29 Celsius	33,9	Mpa
MOR - Ambient Temperature	ASTM D7032	23 Celsius	25,3	Mpa
Hardness	EN 15534		65	N/mm2
Slip Resistance	DIN 51130		R11	
Pundulum test	EN15534-1 : 2014	value 70-82	CLASE III	
Impact Resistance - Ambient Temperature	EN15534		Pass	
Impact Strength	EN ISO 179		2,6	kJ/m ²
Creep Recovery	EN 15534		77,7	%
Fastener Withdrawal		Internal	0,9	KN
Freeze-Thaw		Internal	over 40 cycles	
Fungus Decay Resistance	ASTM G21		Rating 0	
Temperature Effect		Internal		
Abrasion Resistance	ASTM D4060		37,4	Mg/1000r
Coefficient of Linear Thermal Expansion	ISO 11359		36x10-6	K-1
Flame Spread Index (FSI)	EN ISO 11925	Flame spread ≤150 mm	20	S
Smoke Density Index (SDI)	EN ISO 9239		76,2	% X min
Staining Resistance		Internal	Resists most liquids	
Scratch Resistance		Internal	20	N
Moisture	ASTM D1037		0,78	%
SVHC Chemical test	EU REACH Regulation		Pass	
Loading capacity		Internal	≥3500	N
UV aging	ISO 4892-3:2016	2000h	ΔE:1.92 Grey scale:4-5	
Fire classification	EN13501		ClassBfl-s1	
Pendulum test	EN 15534		Pass	
Swelling in thickness	EN 317	24h	0,18	%
Tensile strength	ASTM D638		19,1	Mpa

Remark: above results are provided from 3rd party testing laboratory, for reference only.