

CLEAF

thermo / structured / surface

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THERMO STRUCTURED SURFACE (TSS)

TECHNICAL SPECIFICATIONS

COMPOSITION	TEST METHOD			
	support	wood:	trunks, stems, branchwood, billets, root collars, fast-growth trees and shrubs, residues from the sawing, veneer cutting, stripping and carpentry of broadleaves and coniferous species.	78-88%
	adhesive:		condensation of urea/formaldehyde	7-9%
	additives:	water		5-13%
		ammonium sulphate		0,20%
		paraffin		tracce
	surfaces facing	decoration:	decorative papers impregnated with melamine resins	
FORMALDEID	EN 120	Class E1		< 8 mg/100gr
	ASTM E1333-96	Classe CARB2		< 0,09 ppm
PHYSICAL PROPERTIES	EN 323	density		da 500 a 700 kg/m ³
	EN 322	moisture content		da 5% al 13%
DIMENSION TOLERANCE	EN 14323	thickness tolerance		≤15mm +/-0,2mm; >15mm +/-0,3mm
	EN 14323	thickness within the board		+/-0,3mm
	EN 14323	length - width		+/-5mm
	EN 14323	bowing (balanced panels)		≤2mm/m
		NOMINAL THICKNESS		
			19mm	unit of measur.
REQUIREMENTS	EN 319	internal bonding	0,35	N/mm ²
	EN 310	bending strenght	13	N/mm ²
	EN 310	modulus	1.600	N/mm ²
	EN 311	surface integrity	0,8	N/mm ²
SURFACE TECHNICAL PROPERTIES	EN 14323	resistance to wear	Printed colours Class 1, solid colours Class 3A	
	EN 14323	resistance to steam	≥ level 4	
	EN 14323	resistance to scratch	≥ 1,5N	
	EN 14323	resistance to stain	Groups 1 and 2, Class ≥ 4	
	EN 14323	resistance to light	≥ 6 blue wool scale	
	EN 14323	resistance to cracking	Class ≥ 3	
	EN 12722	resistance to dry heat	Class B	
	UNI 9300	tendency to keep dirt	Level ≥ 4	
	EN 14323	surface difects	≤2 mm ² /m ² spots	
			≤2 mm ² /m ² length	
			Legenda	
			Level 5 - No visible change	
			Level 4 - Slight change, only visible at certain angles	
			Level 3 - Moderate change of gloss and/or color	
			Level 2 - Marked change of gloss and/or color	
			Level 1 - Surface distortion and/or blistering	
STORAGE	Keep the goods in a dry and ventilated place (relative humidity 35%-65%). Do not store with easily inflammable substances. If exposed to ultraviolet rays of the sun the panel may deteriorate. Avoid creating unmanageably high and unstable stacks.			
MANIPULATION	To avoid warping or damp stains place the panels on pallets with suitable spaces. Use suction pads or gloves when handling the panels. Machinery and equipments must be fitted with appropriate aspiration devices.			

* Not recycled to be used in internal place (type P2 according to EN 312) faced on the top side with melamine décor patterns throw a pressing process.