

Technical Data Sheet

PRODUCT NAME Thermally Modified Timber

SPECIE Poplar

DIMENSIONS Thicknesses: 20 mm - 40 mm - Widths: 45 mm – 150 mm

DESCRIPTION 210°C Thermally Modified Manufactured according to the European Technical Standards CEN/TS 15679 and meet the requirements of CEN/TS 15083-1, EN 350 and EN 335

FEATURES		
CHARACTERISTIC	Sourcing of Raw Material	North America
	Specie	Liriodendron Tulipifera
	Profiles	All Profiles
	Surface	Treatment and maintenance to be done with Oil, Planer impacts with a depth to 0,2mm allowed, saw cuts not allowed
	Quality	3 sides clean of defects and 1 side usable
	Knots	Individual Knots $A \leq 1/5$ allowed, narrow side knots $E \leq 1/3$ allowed, dead knots are not allowed, natural pin knots allowed
	Cracks/Splits	End Splits till 50 mm allowed, hair cracks allowed, surface checks during delivery not allowed
	Heart	Not Allowed
	Resin Galls	Not Allowed
	Insect Holes	Not Allowed
	Colourization	Own color variances allowed
	Rotting	Not Allowed
	Bending	$H \leq 2\text{mm}$ per Runing Meter

PARAMETERS	UNIT	VALUE
Moisture Content During Transportation	%	4 - 7
Tolerance in Length	mm	± 3
Tolerance in Width	mm	± 1
Tolerance in Thickness	mm	± 1
Density	KG / m3	385 - 400
Brinell Hardness	N / mm2	9.5
EMC 20/65	%	4.2
Modulus of Elasticity (MOE)	N / mm2	9800
Durability Class (EN 350) (CEN/TS 15083-1)		DC -2 Durable
Use Class		3
Thermal Conductivity	W/mK	0.12
Emission of Formaldehyde		E1
Bending Strength	N / mm2	25