



OVERLAID PANEL – 18 MM

Span (mm)	18 mm	
	L/270	L/360
100	192	192
200	74	74
300	33	33
400	19	17
500	13	10
600	7	5

Recommended maximum Pressures (KN/m²)

* Face grain perpendicular to supports

Section modul (z) 56 cm³/m

Bending stress
 parallel 7.4 N/mm²
 perpendicular 6.07 N/mm²

Modulus of elasticity in bending
 Parallel 6958.6 N/mm²
 Perpendicular 3991.2 N/mm²

Moment of resistance
 Parallel to face grain 0.575 kNm/m
 Perpendicular to face grain

Bending Stiffness
 Parallel to face grain 3.34 kNm²/m
 Perpendicular to face grain

Planar shear capacity
 Parallel to face grain 12.2 kN/m
 Perpendicular to face grain



General Information on HDO 100/30

Characteristic:

TULSA HDO 100/30 panels are manufactured 100% quality Radiata Pine veneers covered on the main face with a 127grs/m² HDO with a resin content of 39% . In addition, TULSA adds another MDO laminate (Medium Density Overlay) of 235grs/m², with a resin content of 27%. The back has a 127grs/m² HDO laminate backer. TULSA overlay panels are designed to allow the end user the opportunity for a high number of re-uses, if proper handling, care and treatment are taken.

Standard dimensions : 2440 mm x 1220 mm
Thickness : 18mm
Number of plies : 7 plies
Number of panels per bundle: 50 panels

Quality certification:

Tests for Physical/mechanical properties are carried out daily by production and quality control, which are in accordance with standards set by North American testing agency TECO for exterior glue (WBP) to insure that all products fulfill the standards and norms set.

Humidity:

During its manufacturing, panel humidity is controlled and stabilized to 8%.

Adhesives:

TULSA HDO 100/30 panels are produced using low polluting emission Phenolic resins in accordance to European E-1 norms.