



HOISKO

17.11.2016

Kotisi koordinaatit



HOISKO CLT Basic Information

STRUCTURE	Cross-laminated 3 to 10 plies Lamella thickness 20 to 60 mm Glued / non-glued edges
COMPONENT	Bulk slab, small unit, large unit, box unit
WIDTH / HEIGHT	W = max 3,50 m H = max 12,0 m
THICKNESS	60 to 400 mm
MOISTURE CONTENT	12 % +/- 2 % at point of delivery
SPECIFIC GRAVITY	470 kg / m ³ (softwood at 12 % moisture content)
QUALITY / TOP LAYER	Quality graded softwood (spruce or pine) Top layers: <ul style="list-style-type: none">- residential, visible 2 sides- residential, visible 1 side- industrial, visible- industrial, non-visible
TOP LAYER / VISIBLE	Top layer lamellas horizontally / vertically, glued edges, polished or brushed
TOP LAYER / NON-VISIBLE	Top layer lamellas horizontally / vertically, non-glued edges, gaps between lamellas allowed, no glue extrusion stains
CALCULATION WIDTHS	2,4 / 2,7 / 3,0 / 3,3 / 3,5
MACHINING	CNC machining. CNC has a 5 axes machining unit which enables almost all kinds of machining, e.g. inclined drilling
GLUING	Formaldehyde-free PUR adhesive EN 301, emission class E1
DIMENSIONAL CHANGE	1 % point change of wood -> longitudinal 0,020% perpendicular 0,25%
HEAT INSULATION	Heat conductance according to the National Building Code of Finland C4: $\lambda = 0,12$ W / mK (at 14% moisture content)
SOUND INSULATION	High sound protection due to solid construction
FIRE PROTECTION	In accordance to EN 13501: <ul style="list-style-type: none">- wood: D, s2, d0- with a fire protection paint: B, s1, d0- pyrolysis rate: 0,65 mm / min
DIFFUSION RESISTANCE	Moisture balancing material
AIR TIGHTNESS	Air tight from 3 layers
SERVICE CLASSES	Permitted for service class 1 or 2 in accordance to EN1995-1-1
TREATMENTS	On request
APPROVALS	European Technical Approval / CE marking