



ultralam™ 

Ultralam™ Rbirch

Laminated Veneer Lumber (LVL)

MOE = 17,500 N/mm²

www.ultralam.com

Declaration of performance Ultralam Rbirch

Essential characteristics	Performance	Harmonised technical specification
Bending strength: Edgewise Size effect parameter Flatwise	65 N/mm ² 0,15 75 N/mm ²	EN 14374:2004
Tension strength: Parallel to grain Perp. to grain, edgewise Perp. to grain, flatwise	52 N/mm ² 1,5 N/mm ² NPD	
Compression strength: Parallel to grain Perp. to grain, edgewise Perp. to grain, flatwise	55 N/mm ² 10 N/mm ² 8,4 N/mm ²	
Shear strength: Edgewise Flatwise	7,0 N/mm ² 4,5 N/mm ²	
Modulus of elasticity: Parallel to grain (mean) Parallel to grain (5%-fractile) Perp. to grain, edgewise (mean) Perp. to grain, flatwise (mean)	17500 N/mm ² 16000 N/mm ² NPD NPD	
Shear modulus: Edgewise (mean) Flatwise (5%-fractile) Flatwise (mean)	700 N/mm ² 450 N/mm ² 850 N/mm ²	
Density (5%-fractile)	600 kg/m ³	
Reaction to fire class	D-s1, d0	
Release of formaldehyde class	E1	
Durability class	4	