

Laminated Veneer Luber (LVL)

Vogue Laminated Veneer Luber is an engineered, layered composite of wood veneers and adhesive, and an alternative to sawn solid wood. It combines the best of modern process technology with the aesthetic beauty of natural timber. LVL improves the strength of wood by dispersing the weakness from defects (e.g. knot) over a greater area. In effect, it increases the strength of weakest part of a length of wood.

Vogue Laminated Veneer Luber is made up by laying parallel laminations of veneer, glued and processed together to form a material of thickness similar to sawn timber but with greater uniformity. Each veneer is chemically impregnated in a vacuum impregnation chamber with chemicals to enable it to fight attacks by microorganisms.



Advantages of Laminated Veneer Luber.

Doors manufactured using Vishal LVL conforms to IS : 4020 – 1994 standards LVL is environment friendly since it is made from Non-conventional Plantation Timber grown outside the forest system. Pressure impregnation with the chemicals makes it termite & other insect proof. LVL is solid, highly predictable and uniformly engineered wood product that is sawn to consistent sizes and is virtually free from warping & splitting. It has high bending, shear strength and strength to width ratio. It is strong, durable and stable substitute for conventional wood for buildings, furniture and general wood works. It has properties better than wood since it has eliminated all the defects like knots, sloped grains and splits found in plantation wood.

Cost Saving Application

Door Frame. Chokat. Window Frames. Load Bearing Walls, Beams, Headers. Terrace

Technical properties of Laminated Veneer Luber

Properties	Ref : Standard	Value
Density (gm/cc)	IS:1708 (Part - 2)1986	0.80
Moisture content & Volatile Content	IS:1708 (Part - 1)1986	9%
Water absorption in 2 hrs	IS : 14616 : 1999	1.56%
Modulus of Rupture (N/mm ²)	IS : 1708 (Part -6) 1986	98
Modulus of Elasticity (N/mm ²)	IS : 1708 (Part-6) 1986	9000
Compressive Strength(N/mm ²)		
Parallel to laminate	IS :1708 (Part -8) 1986	45
Perpendicular to laminate	IS :1708 (Part -9) 1986	160
Horizontal Shear (N/mm ²)		
Parallel to grain	IS :1708 (Part -8) 1986	8
Perpendicular to grain	IS :1708 (Part -9) 1986	12
Tensile Strength Parallel to grain (N/mm ²)	IS : 1708 (PART 12) 1986	60
Screw Holding Power	IS : 1708 (PART -15) 1986	
Edge (N) Min		2500
Face (N) Min		3000