

# DVL Densified Veneer Lumber

IS:14616

Northern densified veneer lumber is an engineered composite of wood veneers with thermosetting adhesive. DVL is a homogenous product; construction improves its strength in comparison to wood. DVL is solid and highly predictable and uniformly engineered wood product that is swan to consistent size and is virtually free from warping and splitting. It has a high bending and shear strength and strength weight ratio.

## TECHNICAL SPECIFICATIONS (IS:14616)

Test	IS : 14616	Northern Observed Value
Specific Gravity	0.60 - 0.75	0.95 - 1.00 gm / cc
Thickness swelling in 2 hours water soaking	3%	less than 1%
Static Bending Strength		
a) Modules of Elasticity		
(i) Along the Grain	7500	11000 n / mm sq.
b) Modules of Rapture		
(i) Along the Grain	50	90 n / mm sq.
Screw holding Power		
(i) Edge	2300 n	2700 n
(ii) Face	2700 n	3200 n
Moisture Content	5 - 15 %	9 % Max
Compressive Strength		
a) Parallel to Laminal	35 n / mm sq.	45 n / mm sq.
b) 90 degree to Laminal	50 n / mm sq.	85 n / mm sq.
Horizontal Shear		
a) Parallel to grain	6	10
b) Perpendicular to grain	8	12
Tensile Strength	55 n / mm sq.	75 n / mm sq.

