

Shuttering Plywood Film Face High Density (IS : 4990)

Superior Film Faced Densified Shuttering Plate (FFDSP) capable of a high level of performance for varied uses in the construction industry like building bridges ,tunnels, heavy industries power plant ,defense structures and other concrete structures .

It is manufactured from selected veneers peeled from hardwood plantation and treated with specially manufactured phenolic resin for longer durability and better performance. The surface of shuttering plywood is over laid 180 GSM phenol impregnated Film. The sides are resealed by acrylic paint to preserve moisture absorption and swelling. The entire process of manufacturing veneers, resins, films and densified plates is completed in-housing using modern and well-equipped plant.



Advantages of Shuttering Plywood

FFDSP has 30% more layers of veneers resulting in superior nailing screw holding properties and load bearing capacity. The product has 300% more retention of resin then ISI grade shuttering Plywood results in substantial cost saving since it can be used up to 140 time for shuttering applications. It improves construction speed and reduces manpower requirements. It is the ideal framework material for precast, concrete molds since it is free from dents, non-corrosive and imparts an evenly fine finish on the concrete surface. This result in additional cost saving no re-plastering or finishing is required.

Applications of Shuttering Plywood

In construction business for walls, columns, slabs, beams etc.
In chemical factories for packing. Truck Body Manufacturing

Technical properties of Shuttering plywood

Properties	Ref : Standard	Value
Density (gm/cc)	IS:4990:1993	0.96
Tensile strength (N/mm)		
Along the grain		85
Across the grain		49
Cross Breaking strength	IS : 4990:1993	
Along the grain		102
Across the grain		67
Glue Shear Strength	IS : 1734 Part 4	
Dry State		
Along the grain		150
Across the grain		140
Wet State		
Along the grain		140
Across the grain		130
Modulus of Elasticity (N/mm ²)	LAOD (KG)	ELASTICITY
200 mm span	470	10669
300 mm span	155	11875
400 mm span	70	12712
500 mm span	40	14188