

# DENSIFIED SHUTTERING PLY

IS:4990

(Density—0.9, 0.95, 1.0, 1.1)

Northern Film face densified shuttering plywood is a product for high-end construction uses. The phenolic film plywood has a coated, glossy surface, which gives the product long life and great value in terms of re-use. This plywood withstands the corrosive action of cement, water and sunlight.

Northern FF DSP is an innovative concept and is ideal for exposed concrete shuttering and frameworks. These boards are made of best-selected plywood veneers bonded with Phenol Formaldehyde Resin. An external coating of Phenolic Polymer Film made in-house with imported craft paper gives a super smooth, uniform surface finish. Northern FF DSP has become the foremost choice of leading quality conscious architects and civil construction engineers. All standard sizes and thickness available.

## TECHNICAL SPECIFICATIONS (IS:49909)

Test	ISI Requirement	Observed Value
1 Moisture Content	5% - 15 %	8%
2 Glue Shear Strength (Dry State) Adhesion to plies	Min. Ind. 1100 N Min. Avg 1350 N Minimum Pass Standard	1310 N 1520 N Excellent
3 Glue Shear Strength (after 72 hrs. Boiling) Adhesion to plies	Min. Ind. 800 N Min. Avg 1000 N Minimum Pass Standard	1060 N 1250 N Excellent
4 Mycological Test Glue Shear Strength	No sign of separation Min. Ind. 800 N Min. Avg 1000 N	No separation 1060 N 1250 N
5 Tensile Strength Along the grain - Across the grain - Sum of the Tensile Strength	32.5 N / sq. mm 22.5 N / sq. mm 60.0 N / sq. mm	46.5 N / sq. mm 32.2 N / sq. Mm 84.7 N / sq. mm
6 Static Bending Strength Modulus of Elasticity - Along the grain - Across the grain	8000 N / sq. mm 4000 N / sq. mm	9100 N / sq. mm 4320 N / sq. Mm

Northern FF DSP has several advantages over ordinary film faced ply:

- It gives more number of repetitions.
- Provides smooth surface to concrete form work.
- It is economical in ratio to its number of uses.

