



## IS: 303 - MWP

Technical Specifications	
Product Name	ISI 303 Plywood
Manufactured By	Maheshwari Woods Pvt Ltd
Standard Compliance	ISI (Indian Standards Institution)
ISI Standard	IS 303
Glue Type	Melamine
Core Composition	Melia Dubai
Resin Manufacturing	In-house
Factory Location	Mysore Nanjangud, India
Established	Since 1993
Core and Veneer Processing	In-house
Face Veneer Thickness	0.3mm (Minimum) - ISI 303 standards
Face and Back Veneer	Gurjan
Calibration	Uniform Thickness
Glue Line Protection	Biflex TC (to prevent borer infestation)
Core Veneer Treatment	Tenderized (for Dimensional Stability)
Moisture Content	Maximum 12%
Density	0.60 g/cm <sup>3</sup>
Modulus of Rupture	Minimum 40 MPa
Modulus of Elasticity	Minimum 6000 Mpa
Screw Holding Strength	Minimum 250 N
Water Resistance	Moisture resistance
Bond Quality	Type 1

### Additional Information:

Manufactured in compliance with IS 303 standard specifications for plywood.

The plywood is constructed using a core composed of Melia Dubai, providing strength and stability.

Melamine glue is used in the manufacturing process, ensuring strong adhesion and durability.

Resin manufacturing is done in-house, maintaining quality control over the adhesive used.

The manufacturing facility is located in Mysore Nanjangud, India, and has been in operation since 1993, ensuring quality and reliability.

Core and veneer processing are done in-house to maintain strict quality control measures.  
Face veneer thickness complies with ISI 303 standards, with a minimum thickness of 0.3mm.

Gurjan veneer is used on the face and back for an attractive appearance and excellent surface finish.

Calibration ensures uniform thickness throughout the plywood sheet.

Biflex TC is added to protect the glue lines from borers, prolonging the lifespan of the plywood.

Core veneers are tenderized to enhance dimensional stability and reduce the risk of warping or deformation over time.

Moisture content, density, modulus of rupture, modulus of elasticity, screw holding strength, and Moisture resistance adhere to relevant IS standards.

The plywood exhibits Type 1 bond quality as per IS 303 standards.

**Applications:**

Furniture Manufacturing

Interior Decoration

Construction

Paneling

Cabinetry

Shelving