



JUBILANT AGRI & CONSUMER PRODUCTS LIMITED

TECHNICAL DATA SHEET

JIVANJOR WATER SHIELD

FOR INFORMATION ONLY

JJ WATER SHIELD is a synthetic resin based adhesive in the form of milky white viscous liquid. It is one pack ready to use adhesive for wood working application. It is water based adhesive, non-flammable and non-toxic in nature.

It gives water resistance confirmed by D3 testing protocol which is certified by IFT Rosenheim Germany, for D3 category adhesive for all wood work & other application in furniture industry.

TYPICAL PROPERTIES

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| • Appearance | Milky White Emulsion |
| • Solid Content % | 47-50 |
| • Viscosity at 25°C in Poise
(By B.F.RVT Spl no-7,RPM-20) | 250-350 |
| • pH | 2.5-4.5 |
| • Flow | Continuous |
| • Spread ability | Smooth & easy |
| • Bond strength W/W kg/inch sq. | 280 min _m |
| • Bond Strength As per D3 protocol
(W/W kg/inch Sq.) | 30 min _m |

APPLICATION METHOD

- Substrate surface to be bonded should be free from oil, grease, dust, dirt or any foreign particle and should be dry and properly leveled.
- Surface can be roughen by sand paper for best results if required.
- Stir the content of container before use.
- Apply uniform coat of JJ WATER SHIELD first on non-porous surface, and then on more porous surface e.g. apply first on mica and then on plywood.
- Bring both the surfaces in contact before complete drying of adhesive and make proper alignment, start pressing from one side by wet cloth to avoid air entrapment, even spreading and better bonding
- Pressure can be applied by using nails, weight, tapes etc.
- Excess adhesive oozing out from edges can be cleaned with the help of wet cloth.
- Bonded surface are to be kept under pressure for 24 hrs to get optimum results.
- If required pressure can be released after 6-8 hrs and the bonded assembly can be put to use.
- For extremely porous surfaces like particle board and MDF, it is recommended that, a thin coat of JJ WATER SHIELD is applied and allowed to completely dry. After drying, light sanding is done to get leveled and smooth surface then this surface is bonded as per standard method to get best results.

COVERAGE

- Approx 45-50 sq ft/per kg on ply to mica

USPs/ADVANTAGES

- Non-flammable and non-toxic as it is water based.
- Water resistant in normal case.
- No fire and health Hazards as it is solvent free.
- Free from objectionable smell.
- Handling strength in 6-8 hrs i.e. very quick setting time, better productivity.
- Superior flow ability and spread ability: better coverage.

- More application options; can be applied by brush, roller, spreader, fingertip or any applicator.
- Can be cleaned easily by wet cloth.
- Excellent bond strength.
- Clear transparent film after drying.
- Heat resistance in normal case.

AREA OF USAGE

Furniture Industries

- Bonding wood to wood; bonding laminate, plywood, veneer, all types of boards to each other.
- Any wood joineries application with moderate water exposure.

Non- Furniture Industries

- Wood joineries in Bus Body building.
- Wooden boxes and cabinets for TV and radio.
- Wooden Frames for wall clock.

PRECAUTIONS

- Container cap should be kept closed when not in use.
- Stir well before use.
- Skin formation if any, should be removed from the surface before use.
- Uniform pressure is must for bubble free application.
- Moisture content of wood, board or ply should be in the range of 8-12 %, higher and variable moisture content may lead to bubble formation.

SHELF LIFE

- Best to be use before 12 months from date of manufacturing.

STORAGE CONDITION

- Store in cool & dark place; away from direct sunlight.