



Wood Sanding Primers

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Our water-based sanding primers are designed to prepare wood surfaces for high-quality finishing.

Benefits:

- Smooth sanding characteristics
- Excellent pore filling
- Strong adhesion for topcoats
- Improved final surface appearance

Applications:

- Furniture manufacturing
- Wood panels
- Interior decorative finishes



Technical Data Sheet

Water-Based Wood Sanding Primer

WB Wood Sanding Primer is a **high-performance water-based coating designed for wood substrates**. It provides excellent **adhesion, sanding properties, hardness, and clarity**, making it suitable as a **basecoat in furniture finishing systems**.

The primer offers **excellent wetting on wood surfaces and superior sanding performance**, ensuring smooth finishing for subsequent topcoat layers.

Parameter	Details
Product Name	WoodPrime WB-200
Product Type	Water-Based Printable Primer
Application	Primer for Metallized Paper
Technology	Acrylic / Polymer dispersion
Recommended Substrate	Solid wood, MDF, plywood, veneer
Application Method	Spray, roller coating, curtain coating
End Use	Furniture Coating & Wood finishing.

Key Features and Benefits

Feature	Benefits
Water Based System	Environment Friendly
Excellent Adhesion	Strong bonding on wood
Excellent Clarity	Smooth finishing
Very Good Sanding	Easy Sanding & leveling
Water resistance	Improved Durability
Extremely hard coating	Good Mechanical Strength
Good Water & Oil Resistance	Suitable for Packaging
Ready to use	No additional additives required

Technical Data Sheet

Typical Physical Properties

Property	Value	Test Method
Appearance	Milky white liquid	Visual
Solid Content	37 – 42 %	ASTM D2369
pH	8 – 10	ASTM E70
Viscosity	<500 sec (Ford Cup B4)	ASTM D1200
Density	1.02 – 1.08 g/cm ³	ASTM D1475
Drying Temperature	70 – 90°C	Internal method
Coating Weight	0.8 – 1 GSM	Application dependent

Application Guidelines

Surface Preparation

- Surface should be clean, dry, and dust free
- Sand wood surface before primer application

Application Methods

Method	Recommendation
Spray Application	Most common method
Roller Coating	For Industrial Lines
Curtain Coating	High-volume furniture plants

Dilution

- Product is ready to use
- If needed, dilute with 5–10% deionized water

Drying Conditions

Parameter	Air Dry	Force Dry	Sanding Time
Typical Value	30-60 min	50 – 70°C	1-2 hours

Drying time depends on temperature, humidity, and substrate thickness.

Technical Data Sheet

Performance Properties

Property	Adhesion to wood	Sanding Performance	Hardness	Water Resistance	Clarity	Blocking Resistance
Result	Excellent	Very Good	High	Very Good	Excellent	Excellent

End Use Applications

- Wooden Furniture
- Cabinetry
- Interior Wood Panels
- MDF Furniture
- Decorative wooden items
- Wooden doors
- Veneer furniture
- Wood flooring undercoats

Packaging

Packaging Type	HDPE Drum	HDPE Drum	IBC Tank
Quantity	50 Kg	200 Kg	1000 Kg

Storage & Shelf Life

Parameters	Storage Temp.	Shelf Life	Conditions
Details	5 – 35°C	12 months	Keep container tightly closed & avoid freezing or prolonged exposure to heat