



DAUGHSON

Engineering the Science of Surface Performance

Product Guide

Technology Platforms

01 SurfaceBond™ Technology

Advanced adhesion engineering designed to create **strong molecular bonding between substrates and coatings.**

Key benefits:

Enhanced ink adhesion
Improved coating durability
Superior substrate compatibility

Applications:

Metallized paper
Packaging substrates
Specialty papers

02 PrintBridge™ Technology

Technology platform designed to **optimize the interface between substrates and printing inks.**

Key benefits:

Ink anchorage optimization
Improved color vibrancy
Uniform ink transfer
Stable print quality

Applications:

Gravure printing
Flexographic printing
Offset coating

03 EcoPrime™ Water-Based Systems

DAUGHSON's environmentally responsible primer technology platform.

Key benefits:

Water-based chemistry
Low VOC formulations
Safer industrial processing
Sustainable coating solutions

Applications:

Printing & packaging
Industrial Coatings
Wood finishing

04 SmoothLayer™ Surface Preparation Technology

Developed for **wood finishing and decorative coatings.**

Key benefits:

Excellent sanding performance
Superior pore filling
Smooth surface preparation
Enhanced topcoat adhesion

Applications:

Furniture
Wood Panels
Decorative surfaces



Wood Sanding Primers

Wood Sanding Primers

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
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Technical Data Sheet

Water-Based Wood Sinding 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-300
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
Appearance	Milky white liquid
Solid Content	37 – 42 %
pH	8 – 10
Viscosity	<500 sec (Ford Cup B4)
Density	1.02 – 1.08 g/cm³
Drying Temperature	70 – 90°C

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 & can be formulated as per requirement
- If needed, dilute with deionized water

Drying Conditions

Parameter	Hot Air Dry
Typical Value	90– 100°C

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
Quantity	50 Kg	200 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

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