



EM1000 WB Universal Sanding Sealer

Ultra-Low VOC Sanding Sealer & Pre-Stain Wood Conditioner

Description	<p>EM1000 WB Universal Sanding Sealer is an ultra-clear, small particle size acrylic coating that penetrates deeply into the wood cell structure, allowing for the maximum amount of the substrate's natural grain color to be magnified by ambient light – the result is a unique clarity and shimmer that is not typically seen with conventional water-based acrylic sealers. Engineered to be used as a wood sanding sealer, pre-stain wood conditioner and as a color delivery vehicle, i.e. shader/toner colors, special effects pigments and water soluble dyes, EM1000 Universal Sealer can be used as your base for custom spray stain applications and wood grain enhancement.</p> <p>EM1000 Universal Sanding Sealer dries quickly and sands to a fine powder when spray or brush-applied.</p>	
Use	<p>For use in furniture, cabinet, interior architectural and custom woodworking applications.</p>	
Features & Benefits	<p>Ultra-Clear Resin Formula Low Sandpaper Loading Compatible with WB Dyes and Pigments Spray and Brush-Friendly Fast Dry and Recoat Time Multi-Substrate Adhesion Performance Water Clean-Up</p>	<p>Allows for Enhanced Wood Grain Magnification Improves Life of Sandpaper Makes a User-Friendly Spray Stain Lower Spray Pressures = Less Over-Spray Multiple Coats per Day Compatible with Exotic Woods Non-Hazardous / Non- Flammable</p>
Directions for Use	<p>Recommended Method of Application</p> <p>Pre-Stain Conditioner: Some wood species require a pre-stain conditioning prior to stain application to prevent blotching or uneven color generation. Sand surface to be conditioned with 220-grit or finer sandpaper to tighten the grain. Apply 1 coat of EM1000 Sanding Sealer reduced with water 50:50 as a conditioning pre-seal. Allow pre-seal to dry for 45 minutes to 1 hour before sanding and evaluating for color application.</p> <p>Sanding Sealer: Use EM1000 Universal Sanding Sealer to act as a traditional sanding sealer on all types of domestic and exotic wood species. Sand wood substrate with 220 or 320-grit sandpaper based on wood grain density and porosity. Apply 1 or 2 coats of undiluted EM1000 Universal Sanding Sealer via spray or brush, or dilute EM1000 as much as 50% depending on wood grain density and porosity. The first coat of EM1000 will penetrate and dry-to-touch in 20 to 30 minutes. Allow to dry for a minimum of 1 hour before fine sanding raised grain with 320-grit sandpaper and evaluating for 2nd coat or clear topcoat applications.</p> <p>Tinting/Shading Vehicle Options: EM1000 Universal Sanding Sealer can be tinted with water-soluble dyes and UTC (Universal Tinting Colorants) pigments for use as a shading/toning color vehicle. See the following directions.</p> <p>Water Soluble Dye: Add 0.50- 5.0% by liquid volume. Premix dye with warm water to make a liquid concentrate prior to adding into the reduced EM1000.</p> <p>Universal Tinting Colorants (UTC): Add 1-5% UTC by liquid volume into EM1000. Thorough mix to ensure complete dispersion. Test the tinted blend to confirm complete compatibility between the EM1000 and the UTC of choice. Some UTC's may cause fisheye or other poor film forming defects in the dried EM1000.</p>	



Physical Specifications

Coating Density: 8.50 lbs./Gal.	Solids % by Weight: 30.0%nv (gloss format)
VOC Content Actual: 25 Grams/Liter	VOC Content Regulatory: 38 Grams/Liter
HAPS Content: 0.0	pH: 8.5 – 9.0
Viscosity: 25-30 Sec Zahns #2 Cup	Appearance: Clear resin dispersion
Dry Time: 25- 35 minutes @ 3mils wet	Spread Rate: 400 sq ft. per Gallon @ 3mils wet
Flash Point: Above 200 °F	Shelf-Life: 12+ Months
Freeze/Thaw Cycles: 1+	Photochemical Reactivity: XXXX

Average Equipment Use Settings

Conventional Equipment Pressure Pot:	If needed, reduce with deionized water up to 5% maximum. Nozzle size 0.047 inches (1.2 mm) - 0.055 inches (1.4mm) – atomizing air 40 psi (2.8.bar)–50 psi (3.5 bar), Pot pressure 4 psi (0.28 bar) to 10 psi (0.68 bar).
HVLP Equipment Pressure Pot:	If needed, reduce with deionized water up to 5% maximum. Nozzle size 0.047 inches (1.2mm) - 0.055 inches (1.4 mm) nozzle, atomizing air 4 psi (0.28 bar) -8 psi (0.55 bar).
Airless Air Assist Equipment:	If needed, reduce with deionized water up to 5% maximum. Nozzle size , tip size.011 - .013 inches, fluid pressure 400 psi (27 bar) – 600 psi(41 bar), atomizing air 10psi (0.69 bar) to 15 psi (1.0 bar).

Clean-Up Procedures

All Target Coatings EMTECHTM Series finishes cleanup with fresh, warm water. Rinse spray gun fluid handing equipment thoroughly with water after each use. If finish dries to hard film soak gun parts in a reduced wate -based paint stripping solution.

Industrial Hygiene Requirements

Use only in well ventilated areas. Avoid inhaling spray mist. Wear a NIOSH/MSHA approved respirator during spray applications.

Emergency First-Aid

Ingestion:

Administer large amounts of water.
DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

Inhalation:

Remove exposed person(s) to well ventilated area. Treat symptomatically.

Eyes:

Flush with fresh water. Seek medical attention.

Skin:

Wash exposed area with warm, soapy water. Seek medical attention if irritation occurs.



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Water Based Coatings for a Changing World[™]

EM1000 SERIES

WATER BASED
UNIVERSAL SANDING SEALER

Leed Credit ID: EQ4.1, EQ4.2, EQ4.5

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