



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 substrates 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>All surfaces to be finished must be clean and free of oil, dust and contamination that may cause fisheyes or poor adhesion. Clean surface with denatured alcohol or fresh water. Allow surface to thoroughly dry before proceeding. Fine sand surface to be finished with the appropriate grade sandpaper based on the type of final finish required. If the surface to be finished has a grain-filling type glaze, sealer or paste; ensure that the systems are compatible with one another by preparing a test panel before proceeding. Certain solvent-based fillers and glazes may prevent proper adhesion of the topcoat if not thoroughly cured. Ensure that grain fillers have been sanded with a minimum of 400-grit sandpaper and all contamination is removed. Oil-Based glazes should be airdried and tested to ensure proper early adhesion of the waterbased topcoat. Spray-apply each coat of EMTECHTM EM7000 High Build Water Based Acrylic Lacquer with HVLP, Conventional or Airless/Airassist spray equipment. Consult with your spray gun manufacturer for proper gun set-ups based on coating viscosity and intended use. Spray gun operators must wear a NIOSHA approved respirator during the spray application of this material. Consult the Material Safety Data Sheet of this material for safety and health procedures.</p>	
Unfinished / New Wood	<ol style="list-style-type: none"> 1. After surfaces has been prepared remove all dust with a wax/oil-free tack cloth. 2. Mix EMTECHTM Lacquer well before using. 3. EMTECHTM Lacquer can be sprayed without reducing with water or Target SA5 Spray Retarder. However, additions of SA5 Retarder may be required to slow-down the system if the lacquer is drying too quickly during high temperature applications. 4. Reduce EMTECHTM Lacquer upwards to 50% with water if lacquer is to be used as a pre-stain sealer or tie-coat between stain or dye coats to prevent color bleed. 5. Apply the required number of coats of EMTECHTM Lacquer to obtain the desired film-build and final look. A minimum of 2 coats applied at 2-4 mils per wet coat is required to obtain a thin film set. There is no limit to the total number of coats of EMTECHTM Lacquer that can be applied. Allow each coat to dry for a minimum of 30-45 minutes before recoating. Sanding between each coat is not necessary unless contamination has effected the film formation, or if the last coat has dried for more than 24 hours. Sand with 600-grit sandpaper to remove surface imperfections, runs, sags and contamination. Remove sanding dust as specified and apply final coat as required. 	



Physical Specifications

Coating Density: 8.60 lbs./Gal.	Solids % by Weight: 30.0%nv (gloss format)
VOC Content Actual: 43 Grams/Liter	VOC Content Regulatory: 98 Grams/Liter
HAPS Content: 0.0	pH: 8.5 – 9.0
Viscosity: 35-40 Sec Zahns #2 Cup	Appearance: Off-white emulsion
Dry Time: 25- 35 minutes @ 3mils wet	Spread Rate: 400 sq ft. per Gallon @ 3mils wet
Flash Point: Above 200 °F	Shelf-Life: 24+ 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.

Disclaimer: The information and suggestions are, to the best of our knowledge, reliable. Since the conditions of use are beyond our control, this company cannot assume responsibility for any risk or liabilities that may result from the use of its products.