



EM1000 WATER-BASED UNIVERSAL SANDING SEALER

Ultra-Low VOC, Water-Based Sanding Sealer & Pre-Stain Wood Conditioner
HAP's Free / NMP-Free
Out Performs ALL National & Regional VOC Regulations
LEED Credit Code: EQ4.1, EQ4.2, EQ 4.5

Description:

The philosophy behind the new **EM1000 Universal Sanding Sealer** is to offer a truly clear, ultra-low VOC water based wood coating that allows the true substrate color to reveal itself while remaining multi-functional in its intended use. This new product is engineered to function as, 1) Pre-Stain Wood Conditioner/Sealer, 2) Clear, Universal Sanding Sealer. 3) Color Delivery Vehicle, i.e. special effects spray stain, shading/toning vehicle or used as a translucent stain when tinted with universal pigments. So far this product has shown great diversity in its performance qualities and ease of use in all three arenas.

EM1000 Universal Sanding Sealer is "water white/clear" in the can. This clarity benefits the finisher in two ways. 1) It allows the natural wood color and image to react in a way that is very similar to solvent-based sealers, 2) it aids the finishers "color eye" when using the EM1000 for shading/toning and performing color matching duties. Whereas a traditional acrylic emulsion such as EM6000 Production Lacquer dries clear on wood, it can be difficult to add colors for shading and toning and to determine your color value/strength when working in its liquid format. When using the **EM1000 Universal Sanding Sealer**, it is easier for the finisher to visualize the direction the color strength and value is proceeding in before taking the sealer directly to the wood substrate for further evaluation. Granted, all color matches must be performed and evaluated on the final substrate of choice, but having a color vehicle that gives the finisher a clearer visual reference point "in the beaker" makes the job that much easier and faster.

EM1000 can be tinted with **ANY** water-soluble dye. Also, custom pigment toning/shading colors can be made when the EM1000 is tinted with water-based UTC colorants such as MIXOL pigments or Golden Fluid Acrylics.

Typical Physical Properties:

Solids Content (non-volatile):	20-25%nv
Weight Per Gallon:	8.6lbs/Gal.
Actual VOC Content:	32 Grams/Litre (ASTM-Method 24/Minus H20)
HAP's Content:	0.0
Viscosity:	30 seconds Zahns #2 Cup
PH:	8.0 -8.5



TARGET COATINGS™
WATERBASED FINISHES AND SPECIALTY CHEMICALS

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**TECHNICAL
INFORMATION**

Spray Gun Set Up Recommendations:

Compressed Air HVLP: 1.3mm needle set and corresponding air cap.

Air-Assisted Airless: .09 - .11 tip set.

*Consult with spray gun manufacturer for specific air pressure settings.

Recommended Method of Application:

Pre-Stain Conditioner: Some wood species require a pre-stain conditioning prior to stain application in order to prevent blotching or uneven color generation. Sand surface to be conditioned with 220-grit or finer sand paper 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 30 minutes to 1 hour before sanding and evaluating for color application.

Sanding Sealer : Use EM1000 Universal Sanding Sealer undiluted 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 grain density and porosity of wood being sealed. Apply 2 coats of undiluted EM1000 Universal Sanding Sealer via spray or brush. The first coat of EM1000 will penetrate and dry to touch in 20-30 minutes. Allow to dry for a minimum of 1 hour before fine sanding and evaluating for clear top coat applications.

Tinting/Shading Vehicle Options: EM1000 Universal Sanding Sealer can be tinted with water-soluble dyes and UTC pigments for use as a shading/toning color vehicle. See the following directions:

Recommended Tinting Colorants & Percentages by Liquid Volume:

Water Soluble Dye: 0.50- 5.0% by liquid volume.

Mixol Pigments: 1.0-10.0% by liquid volume.

Golden Fluid Acrylics: 1.0- 10.0% by liquid volume.

Clean-Up:

All Target Coatings® Water-Based finishes clean up with soap and water. Rinse brushes, spray equipment and other application tools with warm, soapy water, then follow up with a plain, clean water rinse. Do not use alcohol or oil-based solvents to thin or clean up this material.

The information and suggestions in the bulletin 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 which may result from the use of its products.



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COMPOSITION INGREDIENTS

Compound Name:	CAS#
Acrylic Emulsion	Proprietary
Dipropylene Glycol Monomethyl Ether	34590-94-8
Water	7732-18-5

EMERGENCY FIRST-AID PROCEDURES

INGESTION:	Administer large volumes of water. 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:	Flush with fresh water. Seek medical attention if irritation persists.

USE ONLY IN WELLVENTILATED AREAS. AVOID INHALING SPRAY MIST. WEAR A NIOSH/MSHA APPROVED RESPIRATOR DURING SPRAY APPLICATIONS.

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