



## EM6000 WB Production Lacquer

EM6100 Gloss, EM6200 Semi-Gloss, EM6300 Satin, EM6400 Flat

<b>Description</b>	Emtech® EM6000 Production Lacquer is an ultra-clear, water based acrylic lacquer system that utilizes advanced polymer resins and HAP's-Free solvent technologies to provide a unique, self-leveling wood finish designed for commercial and DIY applications. Formulated for use on furniture, cabinet, interior architectural trim and custom woodworking applications – EM6000 Production Lacquer provides a fast drying lacquer system with exceptional clarity, adhesion and polishing qualities that emulate nitrocellulose lacquer. EM6000 features a proprietary 100% burn-in technology that allows for fast recoat and easy polishing. EM6000 is built on our ULVOC (Ultra-Low VOC) formulating principles.	
<b>Use</b>	For use in furniture, cabinet, interior architectural and custom woodworking applications.	
<b>Features &amp; Benefits</b>	<p>HAP's FREE USEPA AIM National VOC Compliant OTC / MRPO Regional Compliant SCAQMD Regional Compliant LEED Credit Compliant Multi-Substrate Adhesion Performance 100% Burn-In Technology</p>	<p>Fast Dry-Time Stronger than Nitrocellulose Excellent Clarity Water Clean Up Non-Flammable Non-Yellowing/Water White</p>
<b>Directions for Use</b>	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 and water mixed 1:1. 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 stains 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 water based topcoat. Spray-apply each coat of Emtech® EM6000 Production Lacquer with HVLP, conventional or Air-assisted/Airless 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.	
<b>Unfinished / New Wood</b>	<ol style="list-style-type: none"> <li>1. After surfaces has been prepared remove all dust with a lint-free cloth dampened with water/alcohol mixed 1:1.</li> <li>2. Mix EM6000 Production Lacquer well before using. Strain if required.</li> <li>3. EM6000 can be sprayed without reducing with water or Target SA5 Spray Retarder. However, additions of SA5 Retarder at 5-10% by liquid volume may be required to slow-down the system if the lacquer is drying too quickly during high temperature applications.</li> <li>4. Reduce EM6000 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.</li> <li>5. Apply the required number of coats of EM6000 to obtain the desired film-build and final look. A minimum of 4 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 EMTECH™ 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 affected the film formation, or if the last coat has dried for more than 100 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.</li> </ol>	



# emtech™

Water Based Coatings for a Changing World™

## EM6000 SERIES

WATER BASED ACRYLIC PRODUCTION  
LACQUER

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

### Physical Specifications

Coating Density: 8.60 lbs./Gal.	Solids % by Weight: 25.0 - 28%nv (gloss format)
VOC Content Actual: 41 Grams/Liter	VOC Content Regulatory: 94 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: 3+	Photochemical Reactivity: 0

### Average Equipment Use Settings

<b>Conventional Equipment w/Pressure Pot:</b>	If needed, reduce with water up to 10% by LV. Nozzle size 0.055 inches (1.4 mm) -0.062 inches (1.6mm) - atomizing air 40 psi (2.8.bar)-50 psi (3.5 bar), Pot pressure 4 psi (0.28 bar) to 8 psi (0.55bar).
<b>HVLP Equipment w/Pressure Pot:</b>	If needed, reduce with water up to 10% by LV. Nozzle size 0.055inches (1.4mm) - 0.062 inches (1.6 mm) nozzle, atomizing air 4 psi (0.28 bar) -8 psi (0.55 bar).
<b>Airless Air Assist Equipment:</b>	If needed, reduce with water up to 10% by LV. 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 Emtech® Series finishes cleanup with water and alcohol mixed 1:1. Rinse spray gun fluid handling equipment thoroughly with water after each use. If finish dries to hard film soak gun parts in an acetone solution to soften film for easier removal.

### 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.