



EM7000HBL High Build WB Spray Lacquer

EM7100 Gloss, EM7200 Semi-Gloss, EM7300 Satin, EM7400 Flat

Description	<p>Emtech® EM7000HBL Water Based Acrylic Lacquer is an ultra-clear, non-yellowing water based acrylic lacquer that utilizes advanced copolymer resins and HAPs-Free solvent technologies to provide a unique, self-leveling clear coat designed for custom and commercial applications. EM7000HBL is an Ultra-Low VOC (ULVOC) alternative away from nitrocellulose lacquers and solvent based conversion varnishes. EM7000HBL features exceptional optical clarity and color magnification when applied over pigmented base coats, i.e. painted surfaces – especially when a clear, hard shell is required to protect the underlying color coat. EM7000HBL non-yellowing lacquer features unique adhesion characteristic that allows it to bond to a wide variety of properly prepared substrates such as exotic woods, plastics, carbon fiber, ferrous and non-ferrous metals. This feature gives great latitude of use for the finishing professional when working with EM7000HBL Lacquer.</p>	
Use	<p>For use in furniture, cabinet, interior architectural and custom woodworking applications.</p>	
Features & Benefits	<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 Can be Crosslinked with CL100</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 air-dried and tested to ensure proper early adhesion of the water-based topcoat. Spray-apply each coat of EM7000 High Build Water Based Acrylic Lacquer with HVLP, Conventional or Airless/Air-assist 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 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 cloth dampened with water and alcohol. 2. Mix EM7000HBL well before using. Allow air to settle before using. DO NOT SHAKE. 3. EM7000HBL can be sprayed without reducing with water or with Emtech® SA5 Spray Retarder. However, additions of SA5 Retarder may be required to slow-down the system if the lacquer is drying too quickly in high-temperature/low-humidity environments. 4. Reduce EM7000HBL 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 EM7000HBL to obtain the desired film-build and final look. A minimum of 2 coats applied at 2-3 mils per wet coat is required to obtain a thin film set. There is no limit to the total number of coats of EM7000HBL that can be applied – however, 2-4 coats is recommended. 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 24 hours. Sand with 400-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: 35.0%nv (gloss format)
VOC Content Actual: 62Grams/Liter	VOC Content Regulatory: 141 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: 2+	Photochemical Reactivity: Zero

Average Equipment Use Settings

Conventional Equipment Pressure Pot:	If needed, reduce with deionized water up to 10% maximum. Nozzle size: 1.4mm to 1.6mm. Atomizing air: 30 psi – 40 psi, Pot pressure 4psi to 8psi. Consult with spray gun manufacturer for optimal pressure settings based on coating viscosity.
HVLP Equipment:	If needed, reduce with deionized water up to 10% maximum. Nozzle size: 1.4mm to 1.6mm. Atomizing air: 20 psi – 30 psi. Consult with spray gun manufacturer for optimal pressure settings based on coating viscosity.
Airless Air Assist Equipment (10:1 Pump Ratio):	If needed, reduce with deionized water up to 10% maximum. Nozzle size: tip size .011 to .013 inches, fluid pressure 200 psi to 300 psi, atomizing air 20 psi to 25 psi.

Clean-Up Procedures

All Target Coatings EMTECH® Series finishes cleanup with fresh, warm water. Rinse spray gun fluid-handling equipment thoroughly with water, followed by a solution of water and denatured alcohol after each use. If finish dries to hard film soak gun parts in acetone or denatured alcohol.

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.