



emtech™

Water Based Coatings for a Changing World™

EM6500 SERIES PIGMENTED SPRAY LACQUER

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



EM6500 on maple case goods, top coated with 9000sc SuperClear Polyurethane satin clear coat.

Photo courtesy of Morning Woodworks.

EMTECH EM6500 Pigmented Spray Lacquer is the latest addition to our popular EM6000 Production lacquer family. Used as a bright white or tinted base color system, EM6500 offers excellent hiding power on poplar, maple and birch. When used in conjunction with our HSF5000 Primer/Surfacer/Filler our EM6500 creates a high quality finish for MDF and other engineered substrates. EM6500 is top coat rated for kitchen cabinet surfaces, interior furniture, running trim and moderate chemical exposure surfaces.

As a universal color vehicle EM6500 can be tinted to match a wide array of popular Off-White Pastels, Mid-Tones, Deep and Clear Base color systems. EM6500 is compatible with Benjamin Moore Gennex®, Sansin Eco-Tone® and Accurate Dispersion GeoShades®. Other, reliable water-based UTC colorants for in-shop tinting include Colortrend® 896 and 802 tinting colorants.

EM6500 Pigmented Spray Lacquer can be fortified with our CL100 Cross-Linker to create a post-catalyzed type finish. The addition of 2 to 5% by liquid volume of CL100 will improve the physical durability of EM6500 by tightening the molecular structure of the cured resin. CL100 improves the resistance of the cured film against high pH cleaners, alcohols and slow evaporating household chemicals. See the TDS for CL100 Cross-Linker for more information..



Part Number & Tint Strength

Part Number	Tint Strength	Average Tint Load
EM6500WP	Pastel	.50 to 1.0 fluid ounces
EM6500M	Mid-Tone	2.0 to 4.0 fluid ounces
EM6500D	Deep Base	6.0 - 8.0 fluid ounces
EM6500CB	Clear Base	12.0 -16.0 fluid ounces



Physical Specifications

Coatings Density: 9.0 lbs. /Gal.
Solids % by Weight: 36.0nv (EM6500CB Clear Base)
VOC Content Actual: 50 Grams/Liter
VOC Content Regulatory: 110 Grams/Liter
HAPS Content: 0.0.
pH: 8.5 – 9.0
Viscosity: 28-30 Seconds Zahns #4 Cup
Dry Time: 35-45 minutes @ 3mils wet
Spread Rate: 300sq ft. per Gallon @ 3 mils wet
Appearance: White pigmented base
Flash Point: Above 200°F
Shelf-Life: 24+ Months
Freeze/Thaw Stability: 3 cycles

Spray Gun Set Up Recommendations*

Compressed Air HVLP	1.8mm–2.0mm needle set and corresponding air cap.
Air-Assisted Airless	.15–.18 tip set
Airless	Medium tip set

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

Features and Benefits

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
Fast Dry-Time
Stronger than Nitrocellulose
Excellent Clarity
Water Clean Up
Non-Flammable
California Prop. 65 Compliant



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Dry Time

Allow each coat to thoroughly dry before applying additional coats of lacquer. For best results apply during low humidity conditions. If whitening or blushing occurs in the semi-cured coats, allow lacquer to return to a clear state before applying additional coats. Best temperatures are 60°- 80°F. Complete chemical cure time is after 100+ hours within these temperature ranges.

Clean-Up

All Target Coatings EMTECH™ 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 water-based paint stripping solution.

Emergency First-Aid Procedures

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:

Flush with fresh water.
Seek medical attention if irritation occurs.

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



EM6500 Bright White Pigmented Lacquer on maple case.

Photo courtesy of Punch List Carpentry.