

Z3324, Z3325, Z3811 VARNISH INFORMATION AND INSTRUCTIONS

Description: EM2000wvx™ Waterborne- Alkyd Interior/Exterior Grade Clear Varnish
(EM2116: Gloss, EM2216: Semi-Gloss, EM2316: Satin)

HAPS free- NMP free- Ultra low VOC • Contains No Hazardous Air Pollutants Out • Performs All Regional & National Clean-Air Regulations

Emtech Waterborne Alkyd Varnish is a waterborne, hybrid/alkyd urethane coating that dries and cures to a very hard, clear film at room temperature without the use of secondary catalysts. Multiple coats of varnish can be applied within a 24-hour period allowing for a faster job completion. Emtech Waterborne Alkyd Varnish is thinned and can be cleaned-up with basic tap water. Emtech Varnish is well suited for use on high-end furniture and cabinet applications, as well as moisture/UV-exposed environments. Specially formulated for industrial spray applications, Emtech Varnish can also be brush or pad applied for ease of use versatility.

For use aboard your Catalina:

Catalina Yachts used Target Coatings satin finishes on boats built in both California and Florida beginning in 1995. Sometime in 2001 it was decided that a bit more gloss on the finish would provide an enhanced appearance. This was initially accomplished by mixing gloss and flat varnish. Later, Target provided a semi-gloss finish to create the same effect. These original products were discontinued due to environmental concerns. The products we offer today are Target Coatings' waterborne replacements formulated to match the original finishes. In 2007 Catalina changed the interior finish to a product by Alternative Finishes.

Naturally, when attempting a touch-up repair, the color of the original varnish will have changed. The repair will be visible unless the entire panel is re-finished. It is wise to test your touch-up in an out of the way area to discover if you like the appearance before completing the entire job.

Directions For Use:

All surfaces to be finished must be clean, dry and free of contamination. Proper surface preparation is the key to a successful finish.

1. Sand surface to be finished with quality, stearate-free sandpaper. The sandpaper grit schedule will vary between 220 to 400 grit depending on the surface condition and type of wood being finished. After the surface has been sanded and prepared, remove dust with a water-damped, lint-free cloth. **Do not use oil / wax tack cloths.** Vacuum the entire boat to remove as much contaminants as possible. You are done for the day. Let the remaining dust settle overnight.
2. Mix varnish gently, then strain through a medium-mesh paint filter before using. Allow the strained varnish to settle before using.
3. Apply 1-3 coats of Emtech Varnish reduced upwards to 10% by liquid volume with distilled water to act as a penetrating sealer coat. Allow each coat to air dry for a minimum of 1.5 - 2 hours, or when the sealer coat gently powders when sanded without clogging the sandpaper.
4. Apply topcoats of Emtech Varnish as supplied, or thinned 5% by liquid volume with distilled water. Allow each coat to air dry for a minimum of 1 hour before recoating.

Sanding between each coat is required. Lightly sand with 400 or 600 grit stearate free sandpaper to remove imperfections. Allow the finish to dry and cure in a warm, dry area. Final chemical cure takes place after 150 hours at 70F.

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Spray Gun Set Up Recommendations:

Compressed Air HVLP: 1 .3mm – 1.5mm needle set and corresponding air cap.

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

Airless: Ultra-Fine or Fine Grade tip set.

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

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.

Composition Ingredients:	CAS#
Hybrid Alkyd Resin Dispersion:	Proprietary
Propylene Glycol Monomethyl Ether	10217-34-2
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 WELL VENTILATED AREAS. AVOID INHALING SPRAY MIST. WEAR A NIOSH/MSHA APPROVED RESPIRATOR DURING SPRAY APPLICATIONS

Chemical Resistance Standards:

KCMA Spot Test on Sealed Maple Veneer with 4-2mil coats of EM2000 Gloss. 4-Hour Dwell Time / 4-Hour Recovery Time:

Glass Cleaner:	No Effect
409TM:	No Effect
Warm Water (100°F):	No Effect
Black Coffee:	No Stain / No Effect
Lacquer Thinner:	Softening / Full Recovery
Denatured Alcohol:	Softening / Minor Witness Line
Acetone:	Softening / Full Recovery

Updated: 04/2012