350 VOC POLYURETHANE WOOD FINISH 1Y.35X

SATIN / SEMI-GLOSS / GLOSS

Features

- Approved by M.F.M.A.
- High Solids Content
- Self-Leveling Formulation
- Resists Marring & Scuffing
- Resists Household Chemicals
- 3 Pre-Mixed Sheen Levels
- Self-Sealing
- Low Odor

General Description

Lenmar® premium quality, 350 VOC, oil-modified polyurethane has been designed for the professional hardwood floor refinisher for use in both commercial and residential applications as well as gymnasiums. Its primary benefits include: superior flow out for a smooth self-leveling finish, an exceptional amount of solids for maximum build, and a tough durable film that helps resist household chemicals, marring, and scuffing when fully cured.

Recommended For

Gymnasiums, Commercial Floors, Interior Hardwood Floors, Trim, Moldings, & Doors and Furniture & Kitchen Cabinets

Limitations

- Do not apply when temperatures are over 95°F (35°C), below 65°F (18.3°C), or when relative humidity is higher than 80%. Do not lay rugs for 15 days.

Product Information

Colors — Standard:

Clear

1Y.359 Gloss	80+units@60°
1Y.356 Semi-Gloss	60-70units@60°
1Y.354 Satin	40-50units@60°

— Tint Bases:

N/A

— Special Colors:

N/A

Certification:

Master Painters Institute MPI 56, 57.

The products supported by this data sheet contain a maximum of 350 grams per liter VOC /VOS (2.92 lbs/gal.) excluding water & exempt solvents.

This product is compliant under the Ozone Transport Commission regulations as a Varnish.

Technical Assistance:

For Technical Assistance please contact your authorized Lenmar® Dealer/Distributor, your Lenmar® sales representative, Technical Service at 1-800-225-5554, or visit www.lenmar-coatings.com.

Technical Data		Clear/Gloss
Vehicle Type		Oil-modified polyurethane
Pigment Type		N/A
Weight Solids		56% – +/-1%
Volume Solids		50% – +/-1%
Coverage per Gallon at Recommended Film Thickness		400 – 550 Sq. Ft.
Recommended Film Thickness	– Wet	3 - 4 mils
	– Dry	1.5 - 2.0 mils
Depending on surface texture and porosity. Be sure to estimate the right amount of finish for the job.		
Dry Time @ 75°F (23.8°C) @ 50% RH	– Tack Free	24-48 Hours
	– To Recoat	Overnight
	– Dry	24 – 48 Hours
	– Cure	7 Days
High humidity and cool temperatures will result in longer dry and recoat times.		
Dries By		Evaporation/Oxidation
Viscosity		55 – 65 KU
Flash Point		105°F
Gloss / Sheen		Satin/Semi-Gloss/Gloss
Surface Temperature at Application	– Min.	65°F
	– Max.	95°F
Thin With		Do Not Thin
Clean Up Thinner		1A.137 Mineral Spirits
Weight Per Gallon		7.65 – 7.86 lbs.
Storage Temperature	– Min.	50°F
	– Max.	90°F

Volatile Organic Compounds (VOC)

348 Grams/Liter 2.90 Lbs./Gallon

Surface Preparation

New Floors: Sand and prepare the floor using current, recommended NWFA guidelines. All surfaces must be free of contaminants, such as dirt, grease, wax and excessive moisture content. Make the final cut with 100-120 grit sandpaper and screen with a #100/120 grit screen. Remove all dust with a broom or vacuum, and tack surface with a clean, dry cloth.

Recommended Finishing System: If staining the floor, apply selected color from the Lenmar® QuickStain penetrating stain collection in accordance with the Product Data Sheet and follow all listed label directions. Allow to dry completely before continuing the finishing process. This finishing system should be 3 coats 350 VOC Polyurethane self-sealed.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-**approved respirator to control lead exposure. Carefully clean up with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Application

Application: Thoroughly mix polyurethane by hand, to disperse flattening agents prior to and during application. Application of these products may be with a brush, roller, or lambs wool application, but they are heavily dependent on the wet film thickness of the applied coating. For best results, use a heavy-weight T-bar to apply these products. Start with 1Y.359, 350 VOC Polyurethane Gloss as the sealer. Pour a 6" wide stream of finish along the starting wall. Cut-in using nylon brush to apply along the starting wall. After cut-in, hold the T-bar applicator at a slight angle and snowplow the finish up and down the entire floor with the grain. Maintain a wet edge. Apply at correct spread rate and allow to dry. Apply all coats of polyurethane in one direction and only with the grain. Spread rate over raw wood should be a minimum of 500 square feet. Application should be 2-3 wet mils. Avoid direct sunlight from coming into contact with the floor, before and during the application process. Use only with adequate ventilation. Minimize air movement during application and for one hour after to improve flow and leveling. Allow to dry overnight. Adverse weather conditions of temperature and humidity can extend normal dry times.

If finish has dried for less than 36 hours, properly abrade the floor with a maroon conditioning pad system or with comparable screens. If finish has dried for more than 36 hours, screen with new 120 grit screens. Sweep, vacuum and tack surface with a cloth dampened with mineral spirits. Allow mineral spirits to evaporate.

Immediately recoat with a second coat of Lenmar® 350 VOC Gloss Polyurethane following the above directions. Square footage for the second coat should be between 500 and 600 square feet per gallon.

Apply third and final coat by selecting the desired sheen from the Lenmar® 350 VOC line; agitate the product as necessary. Follow the same procedure outlined above; application square footage is unchanged; and pay special attention to limiting air movement over the surface for the first hour. For semi-gloss and satin applications on the final coat, pay special attention to maintaining a good wet edge to avoid lap marks once cured. Application of this product over shellac, lacquer or stearated coatings is not recommended.

Screen and Recoat: Screen floors with new 120 grit screens. All surfaces must be free of contaminants, dirt, and dust. Sweep, vacuum and tack surface with a damp cloth.

NOTE: Lenmar® 350 VOC polyurethanes will adhere to most finishes after proper preparation. Always prepare a test area or sample piece to determine compatibility.

Follow finishing procedures above. Recommended application: 1 coat of Lenmar® 350 VOC Polyurethane.

Note: Do not apply Lenmar® 350 VOC products over any floor that has been previously maintained with wax or oil. An adhesion test is recommended to determine coating compatibility over a previous waterborne or unknown finish.

Cure: Allow the Lenmar® 350 VOC system 48 hours air dry before light traffic. Full cure will be reached in 30 days. Depending on application thicknesses and ambient conditions these cure times will vary. Good ventilation is critical for the curing process. Do not apply when temperatures are over 95°F, below 65°F, or when relative humidity is higher than 80%. Floors will be susceptible to scuffing and marring in the first 14 days. Do not place rugs or mats prior to full cure (30 days).

Maintenance: Vacuum or dust mop regularly. Do not use any liquid cleaners other than water for the first 2 weeks. After that, use Lenmar® Spark'Len Clean as an everyday maintenance cleaner.

Clean Up

Clean equipment with 1A.137 Mineral Spirits if compliant with local requirements.

DANGER – Rags, steel wool or waste soaked with the product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.

USE COMPLETELY OR DISPOSE OF PROPERLY. This product contains organic solvents which may cause adverse effects to the environment if handled improperly. Emptied containers may retain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition.

Disposal of wastes containing either organic solvents or free-liquids in landfills is prohibited. **Local disposal requirements vary; consult your sanitation department or state-designated environmental agency for local disposal options.**

Environmental Health & Safety Information

DANGER!

COMBUSTIBLE LIQUID AND VAPOR

VAPOR HARMFUL

Contains: Petroleum Distillates

HARMFUL OR FATAL IF SWALLOWED. ASPIRATION HAZARD. CAUSES IRRITATION TO EYES, SKIN AND RESPIRATORY TRACT.

NOTICE: Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

Keep away from heat and flame. Use only with adequate ventilation. Do not breathe vapors, spray mist or sanding dust. Avoid contact with eyes and prolonged or repeated contact with skin. To avoid breathing vapors or spray mist open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor levels are above the applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Aspiration Hazard. Small amounts aspirated into the respiratory system may cause mild to severe pulmonary injury. Close container after each use. Wash thoroughly after handling.

WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

FIRST AID: If affected by inhalation of vapors or spray mist, remove to fresh air. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If swallowed, do not induce vomiting. Get medical attention immediately.

IN CASE OF FIRE – Use foam, CO2, dry chemical or water fog.

SPILL – Absorb with inert material and dispose of as specified under "Clean Up".

KEEP OUT OF REACH OF CHILDREN

READ ALL DIRECTIONS BEFORE USE.
UNDERSTAND **ALL** DANGERS WITH THIS PRODUCT PRIOR TO USE.

Refer to Safety Data Sheet for additional health and safety information.

Manufactured by Benjamin Moore & Co., 101 Paragon Drive, Montvale, NJ 07645 Tel: 800-225-5554 Fax: 888-248-2143 www.lenmar-coatings.com M72 1Y.35X US 070815