



350 VOC POLYURETHANE WOOD FINISH 1Y.35X SATIN / SEMI-GLOSS / GLOSS

Features

- High Solids Content
- Self-Levelling Formulation
- Resists Marring & Scuffing
- Resists Household Chemicals
- 3 Pre-Mixed Sheen Levels
- Self-Sealing

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-levelling 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, Mouldings, Doors, Furniture & Kitchen Cabinets

Limitations

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

Product Information

Colours — Standard:	Technical Data	Clear/Gloss
Clear	Vehicle Type	Oil-modified polyurethane
1Y.359 Gloss 80+ @ 60°	Pigment Type	N/A
1Y.356 Semi-Gloss 60-70 @ 60°	Weight Solids	56% – +/-1%
1Y.354 Satin 40-50 @ 60°	Volume Solids	50% – +/-1%
— Tint Bases:	Coverage per 3.79 L at	37.2-51.1 sq. m.
N/A	Recommended Film Thickness	(400 – 550 Sq. Ft.)
— Special Colours:	Recommended Film Thickness	– Wet 3-4 mils
N/A	– Dry	1.5 – 2.0 mils
Certifications & Qualifications:	Depending on surface texture and porosity. Be sure to estimate the right amount of finish for the job.	
Master Painters Institute MPI 56, 57	Dry Time @ 23.8 °C	– Dry to Recoat 12 Hours
The products supported by this data sheet contain a maximum of 350 grams per litre VOC /VOS excluding water & exempt solvents.	(75 F) @ 50% RH	– Light Traffic 24 – 48 Hours
		– Full Cure 7 Days
Technical Assistance:	High humidity and cool temperatures will result in longer dry and recoat times.	
Available through your local authorized independent dealer. For the location of the dealer nearest you, call 1-800-361-5898 or visit www.lenmar-coatings.ca	Dries By	Evaporation/Oxidation
	Viscosity	55 – 65 KU
	Flash Point	40.6 °C (105 °F)
	Gloss / Sheen	Satin/Semi-Gloss/Gloss
	Surface Temperature at Application	– Min. 18.3 °C (65 °C)
		– Max. 35 °C (95 °F)
	Thin With	Do Not Thin
	Clean Up Thinner	1A.137 Mineral Spirits
	Weight Per 3.79 L	3.5-3.6 kg (7.65 – 7.86 lbs)
	Storage Temperature	– Min. 10 °C (50 °F)
		– Max. 32 °C (90 °F)
	Volatile Organic Compounds (VOC)	
	348 Grams/Litre	

350 VOC Polyurethane Wood Finish 1Y.35X Satin / Semi-Gloss / Gloss

Surface Preparation

New Floors: Sand and prepare the floor using current, recommended NWWFA 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 colour 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. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by logging onto Health Canada @ <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/environmental-contaminants/lead/lead-information-package-some-commonly-asked-questions-about-lead-human-health.html>

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 15.2 cm (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 46.5 square metres. (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 for 12 hours. Adverse 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. Spread rate for the second coat should be between 46.5 and 55.7 square metres (500 and 600 square feet) per 3.79 L.

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 in square metres is unchanged; and pay special attention to limiting air movement over the surface for the first hour. For 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 stearedated 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 7 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 35 °C (95 °F), below 18.3 °C (65 °C), or when relative humidity is higher than 80%. Floors will be susceptible to scuffing and marring in the first 7 days. Do not place rugs or mats prior to full cure.

Maintenance: Vacuum or dust mop regularly. Do not use any liquid cleaners other than water for the first 2 weeks.

Clean Up

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

Environmental Health & Safety Information

CAUTION

READ INSTRUCTIONS BEFORE USING

DANGER OF COMBUSTION

May cause allergic skin reaction.

Do not get on skin or clothing.

Keep away from flames or sparks.

Materials such as rags used with this product may begin to burn by themselves.

After use, put rags in water or lay flat to dry, then discard.

Use only in a well ventilated area. Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. Wash thoroughly after handling.

KEEP OUT OF REACH OF CHILDREN

This product may not be compliant under Architectural and Industrial Maintenance regulations in all jurisdictions when field applied to stationary structures. This product may also be Shop or OEM applied. To ensure compliance check local regulations as requirements do vary.

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.