

TECHNICAL DATA & APPLICATION GUIDE

POLYWHEY® 3500 PROFESSIONAL WOOD FLOOR FINISH



PRODUCT DESCRIPTION:

PolyWhey 3500 Wood Floor Finish uses the power of natural whey protein to create a professional strength clear coating that enhances any interior wood floor. This finish is recommended for all commercial and heavy-traffic residential interior bare wood floors or previously stained or coated wood floors. PolyWhey 3500 provides outstanding mar and scratch resistance and stands up to the rigorous cleaning required of daily use. A neutral odor, great coverage, quick drying, easy cleanup and long life make PolyWhey 3500 a premium, environmentally smart topcoat.

ADVANTAGES:

Fast: Single component finish with great coverage and easy clean-up

Easy: Superior flow and leveling for smooth application

Durable: Surpasses the competition in both abrasion and mar resistance

Versatile: Designed for all commercial and heavy-traffic residential applications

Proven: Leading manufacturer of sustainable wood floor finishes

Safe: Complies with VOC and emission limits in all 50 states and Canada. 3500 Satin is CDPH Standard Method V1.2 compliant.

RECOMMENDED USES:

Use PolyWhey 3500 Wood Floor Finish on interior bare wood flooring or previously varnished or stained wood floors.

PRODUCT SPECIFICATIONS:

Color in Container:	Milky White
Clarity (dry):	Crystal/Transparent
Weight Solids:	≤ 32%
Volume Solids:	≤ 30%
VOC (as packaged):	≤ 95 g/L
pH:	7.90-8.30
Viscosity (#2 Zahn Cup):	40-45 secs
Flash Point:	None
Sheen:	Semi-Gloss: 45 ± 5 units @ 60° Satin: 20 ± 5 units @ 60° Matte: 10 ± 5 units @ 60°
Freeze/Thaw Stability:	Do not freeze
Shelf Life:	12 months from date of mfg.
Dry Time (77°F, 50% RH):	To Touch: 30-40 mins To Handle: 50-60 mins To Recoat: 1.5-2 hrs
Clean-Up:	Soap and hot water
Odor:	Neutral
Maximum Cure:	7 days
Coverage:	600-700 sq ft/gal (no application loss) @ 0.75 – 1.1 mil dft



Continued on reverse.

*PolyWhey 3500 Satin Wood Floor Finish only

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Visit www.vermontnaturalcoatings.com
for videos, instructions, technical data, safety information,
case studies, and more.

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INSTRUCTIONS:

Before using, please read all directions and Material Safety Data Sheets.

Recommended application system: For most applications, one coat of PolyWhey 3000 Wood Floor Sealer and 2-3 coats of PolyWhey 3500 Wood Floor Finish are recommended. Add additional coats of PolyWhey 3500 for commercial or heavy-traffic residential flooring.

Compatibility: PolyWhey 3500 will adhere to bare wood and most stain bases, sealers, and finishes after proper preparation and dry times. Wood species can affect the stain, sealer and finish results. Prepare a sample board or test area to confirm desired appearance and compatibility.

Surface preparation: Sand and prepare floor using NWFA industry standards. Vacuum and wipe surface clean prior to coating.

Recommended applicators: T-bar, roller, or painters pad.

Application: Stir and shake finish before applying. Pour a 2" bead of finish near the starting wall. Use a dampened T-bar sleeve, roller sleeve or painters pad and pull the finish with the grain of the wood. Maintain a wet edge at all times. Feather out all turns. Avoid moving too quickly and maintain steady, medium pressure to avoid applicator drips. Allow the first coat to dry 2 hours. High humidity and/or low temperature conditions may increase dry time. For best results, apply in temperatures between 65°F-80°F with a relative humidity of 40%-60%. Up to 4 oz. of water per gallon may be added for variable application conditions. Covers approximately 600-700 square feet per gallon. Between coats: For best results, abrade after each finish application with a fine 220 grit paper. For PolyWhey 3500, abrade if 24 hours have passed since the previous coat was applied. Always vacuum and tack thoroughly with a clean, damp cloth.

MAINTENANCE:

Clean up and storage: Wipe excess finish out of the threads of the container with a clean cloth prior to sealing. Brushes and other equipment can be cleaned with warm, soapy water. Store in a dry, ventilated and cool place, and keep from freezing. Keep lid closed tightly and container in an upright position away from fire, open flame or excessive heat.

Shelf life: Finish in properly re-sealed containers can be used for 12 months from the date of manufacture.

Re-coating: Be sure any wax, polish or oily residue is removed before re-coating. Abrade as needed then vacuum and tack thoroughly with a clean, damp cloth. If applying over other finishes, always test for compatibility.

Curing: Allow one week for full product cure. Furniture may be replaced after 72 hours, with protectors. Use only dry mop for cleaning during the first week.

PRECAUTIONS:

PolyWhey products have low VOC levels, but should still be used with adequate ventilation. Provide sufficient fresh air circulation. If ventilation is inadequate, use an organic vapor/particulate respirator approved by NIOSH/MSHA for spray mist vapors. When sanding a dried film, use a dust/mist respirator approved by NIOSH/MSHA. Wear protective gloves and splash goggles or safety glasses with side shields. Keep out of reach of children! Do not take internally! Avoid contact with eyes and prolonged contact with skin. This product is not flammable, but all polymer film can burn and containers can explode if exposed to extreme heat or fire. Avoid breathing fumes of burning dry coating. Extinguish with foam, CO₂, dry chemicals, or water fog. BEFORE USING SEE MATERIAL SAFETY DATA SHEET.

INGREDIENTS:

Urethane dispersion, acrylic emulsion, water, whey protein. See MSDS for hazardous ingredient information. Contains less than 95 g/L VOC.

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