

VERMONT
NATURAL
COATINGS™

Professional Wood Finish Made Green

Product Data Sheet

- PolyWhey Furniture Finish -

Product Description: Vermont Natural Coatings PolyWhey Furniture Finish is an evolved clear coating that resists water, chemicals, and scratches. A neutral odor, excellent flow, quick drying, and easy clean-up with soap and water make PolyWhey a durable, environmentally smart topcoat.

By using whey protein as a co-binder, PolyWhey leverages a renewable resource to reduce its VOC level to 180 g/L, well below the toughest state standard of 275 g/L.

Recommended Uses: Use PolyWhey Furniture Finish on interior bare wood or previously varnished or stained wood. Apply it on furniture, trim, cupboards, paneling, table tops, doors, and craft items.

Typical Properties

Color in Container	Milky White
Clarity (Dry)	Crystal
Solids Content	29%
Chemical Resistance	No visual defects
VOC	Coating: ≤180 g/L (wet) Material: 59 g/L (dry)
Flash Point	None
Sheen	Gloss: 70 units (±3) @ 60° Semi-Gloss: 45 units (±3) @ 60° Satin: 20 units (±3) @ 60°
Freeze/Thaw Stability	Do not freeze
Pot Life	12 months from date of manufacture
Dry Time	1-2 hours under normal conditions
Clean Up	Soap and hot water
Scent	Neutral
Boiling Point	212°F
Maximum Cure	One week
Coverage	500-600 sq. ft. per gallon

Packaging

Pint, quart, gallon, five gallon, 55-gallon drum	Gloss, Semi-Gloss, Satin
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Application Instructions

Surface Preparation

If applying to previously finished wood, sand in order to remove old finish before applying new finish. If sanding entire surface is not desired, only sand areas of distress that can cause flaking in order to blend edges. Apply the product directly to the surface or the sealer coatings.

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 contacting the National Lead Information Hotline at 1-800-424-LEAD or log onto www.epa.gov/lead.

Application

1. Test the finish on a sample piece of wood. Soft or porous woods such as pine, alder, birch, fir, cedar, or redwood may absorb a finish unevenly. Also, some woods contain tannins and other extractives that will bleed through to the surface and affect appearance.
2. Stir prior to use. Apply thin, even coats with a brush and/or spray gun (conventional or low-pressure system), taking care to prevent the finish from puddling. Overlap brush/spray gun strokes and always maintain a wet edge.
3. Apply with a brush and/or spray gun (conventional or low-pressure system) without thinning. Excessive thinning may result in reduced product performance.
4. Sand lightly between each coat with very fine sandpaper (220 grit or finer) and remove dust with water-dampened cloth. Never use steel wool or a tack cloth.
5. Recoat in 2 hours under normal conditions. High humidity or low temperature may lengthen the dry time.
6. Apply 3 coats for best performance.
7. For best results, apply in temperatures between 65°-80° Fahrenheit and relative humidity 40%-60%. Do not apply in direct sunlight.

Precautions

Vermont Natural Coatings' PolyWhey products have low VOC levels, but should still be used with adequate ventilation. Provide adequate fresh air entry. If ventilation is inadequate, use an organic vapor/particulate respirator approved by NIOSH/MSHA for spray/mist vapors. When sanding a dried coating film use a dust/mist respirator approved by NIOSH/MSHA.

This product does not contain formaldehyde or other toxic ingredients that would require protective clothing. However, for those who are chemically sensitive or who will use product over a long period of time, we recommend wearing protective gloves and 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 films, once applied, can burn and containers could explode if exposed to extreme heat or fire. Avoid breathing fumes of burning dry coating because carbon dioxide/monoxide may be released. Extinguish with Foam CO2, dry chemicals, or water fog.

Drying/Curing

Under normal conditions (40%-60% humidity and 65°- 80°F) and with good ventilation, wood treated will be dry and ready for next coating or use in 1-2 hours. Allow one week for full product cure.

Cleanup and Storage

Wipe excess finish out of the lip of 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 upright position away from fire or open flame. Shelf life is 12 months from date of manufacture under normal temperature conditions and if the container is resealed correctly to prohibit contamination. Reseal original container immediately after use to reduce skinning or contamination of the product.

Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of container and any remaining liquid product in accordance with local, state, and federal regulations. Contact local solid waste officials for local handling requirements. Do not rinse empty cans out before disposal. Open can and allow to air dry. Empty, dry containers may commonly be recycled. If recycling is unavailable, dispose of empty containers in trash. Do not put containers that contain liquid product in the trash. Contact local officials for local recycling and disposal guidance.

Guarantee

We guarantee your satisfaction with our products. If proper pre-application and application techniques have been followed and you are not satisfied with the results, please contact us. We welcome your feedback and will provide you with replacement product, credit, or a cash refund.

Limited Liability

Liability, whether expressed or implied, is limited to replacement of product or refund of purchase price and cannot include liability for labor costs or consequential damages. It is the user's responsibility to determine the suitability and safety of the product for any particular application. This limited warranty may not be modified or extended by manufacturer's representatives, distributors, or dealers of Vermont Natural Coatings' products.

For questions or comments, please call 1-802-472-8700 Mon- Fri 9:00 AM- 5:00 PM EST. For more information on VNC or wood finishing ideas, check out our web site at www.vermontnaturalcoatings.com

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