

# Product Data Sheet

## - PolyWhey® Exterior Wood Finish -

**Product Description:** Vermont Natural Coatings PolyWhey Exterior Wood Finish provides a tough, element-repelling clear finish for decks, fences and other outdoor surfaces. By using the strength of natural whey proteins and water-based resins, PolyWhey Exterior is waterproof and provides protection against mildew, mold and harmful UV rays. A neutral odor, excellent flow, great coverage, quick drying, and easy clean-up with soap and water make durable PolyWhey an environmentally smart finish for all your exterior wood surfaces.

**Recommended Uses:** Use PolyWhey Exterior Wood Finish on exterior wood decks, fences, siding, railings, outdoor furniture and other wood surfaces. May be used on new wood, pressure-treated wood, and weathered wood.

### Typical Properties

<b>Color in Container</b>	<b>Clarity (Dry)</b>
Caspian Clear: bluish-gray	Transparent
Acorn Brown: brown	Semi-transparent
Lakeside Cedar: tan	Semi-transparent
Autumn Red: rust red	Semi-transparent
<b>Solids (volume)</b>	≥ 26%
<b>Solids (weight)</b>	≥ 29%
<b>Solvent type</b>	Water
<b>VOC: Coating:</b>	≤ 95 g/L (wet)
<b>Material:</b>	≤ 48 g/L (dry)

**Flash Point:** None  
**Freeze/Thaw Stability:** Do not freeze  
**Maximum Cure:** 48 hours  
**Dry To Touch:** 1 hour under normal conditions  
**Clean Up:** Soap and hot water  
**Odor:** Neutral  
**Shelf Life:** 12 months from manufacture  
**Coverage:** approx. 400 sq. ft. per gallon on smooth surfaces, approx. 200 sq. ft. per gallon on rough surfaces

Packaging Five gallon, gallon and quart

### Surface Preparation

Sand all wood to remove loose wood fibers and old finishes. Remove dust with a damp rag. Clean the surface with Vermont Natural Coatings **Wood Cleaner**, rinse thoroughly and allow to dry.

**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](http://www.epa.gov/lead).

### Application Tools

**HVLP:** Check manufacturers recommendations  
**Pump sprayer:** A high quality pump sprayer with a variable tip  
**Brush:** High quality nylon/polyester or pad applicator

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## Application Instructions

### Application

**Apply in temperatures between 60°F and 85°F when no rain is expected for 48 hours.**

1. Stir prior to use.
2. Apply with a brush and/or spray equipment without thinning. Thinning may result in reduced product performance. Apply a thin, even coat going with the grain end to end or on full board lengths. Overlap brush/spray gun strokes and always maintain a wet edge. Coating the end grain of all exposed boards is recommended.
3. Recoat in one hour in normal conditions. Does not require sanding between coats.
4. Apply 2 coats for best performance.
5. For best results, apply in temperatures between 65°-80° Fahrenheit (16-27°C) and relative humidity 40%-60%. High humidity or low temperature may lengthen the dry time. Allow 48 hours without precipitation for curing.

### Precautions

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 the 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 film once it is 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. Wipe excess finish out of the lip of container with a clean cloth prior to sealing to avoid material gluing lid closed. Reseal original container immediately after use to reduce skinning or contamination of the product. Brushes and other equipment can be cleaned with warm, soapy water.

### 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.

### Storage

1. Store in a dry, ventilated, and cool place and **keep from freezing**.
2. Keep lid closed tightly and container in upright position, away from fire, open flame, or high temperature areas.
3. Shelf life is 12 months from date of manufacture under normal temperature conditions and if the container is resealed correctly to prohibit contamination.
4. Reseal original container immediately after use to reduce skinning or contamination of the product.

### Guarantee

We guarantee your satisfaction with our products if proper pre-application and application techniques have been followed. If 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 Coating products.

For questions or comments, please call Monday through Friday 9:00 A.M. - 5:00 P.M. EST toll-free: 1-888-NEW-WHEY (639-9439). For more information on VNC or wood finishing ideas, visit our web site at [www.vermontnaturalcoatings.com](http://www.vermontnaturalcoatings.com).

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CASPIAN  
CLEAR

AUTUMN  
RED

LAKESIDE  
CEDAR

ACORN  
BROWN