

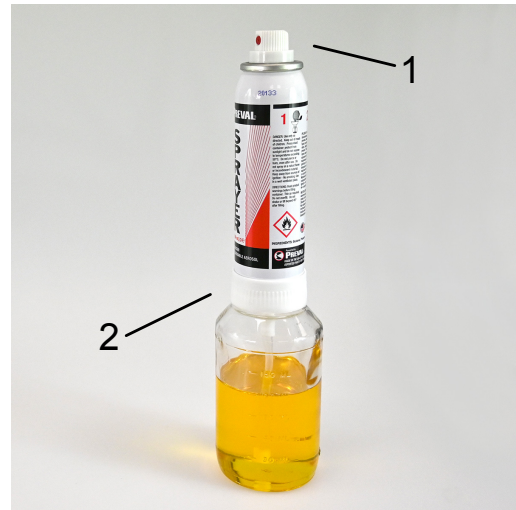
TECHNICAL DATA SHEET

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Directions For Sprayer Use

1. **Prepare** - Strain paint using a medium mesh (225-226 micron) strainer. For thicker paint, remove strainer from dip tube. Thin paints and finishes using instructions supplied by the manufacturer. If manufacturer's instructions are not available (See Thinning Guide on next page). Fill container to desired level, do not fill the container above the line on the shoulder. Attach power unit, and align red insert (1) opposite air vent (2) on coupler. Never shake the container once it has been attached to the power unit.



2. **Prime** - Spray for 15 seconds to prime valve with product. If clogged see Clogging Section. If after 15 seconds it starts spraying there is no need to back flush. If spraying it is primed. If clogged, see Clogging Section.



Note: The power unit is vented. Do not tip beyond 45° or liquid will run out the air vent preventing efficient performance. The actuator orifice is .032 inches. Never shake the power unit.

3. **Paint** - Practice spraying. Practice on a piece of cardboard or scrap metal if you have never used a PREVAL® sprayer. Start spraying with the sprayer in motion and release the button while the sprayer is still moving at the end of the stroke to avoid runs. Overlap strokes, do not tip past 45°. Hold the sprayer upright, 6" to 10" from the surface being sprayed (5" with lacquers and other quick drying finishes). If you are too close to the surface, paint will build up too quickly and will run. If you are too far away from the surface, the paint will dry before it reaches the surface and dimpling will result. Keep the sprayer moving constantly. For best results apply 2 or more thin coats as opposed to 1 thick coat. Spray at room temperature. If the Preval power unit becomes too cold from continuous spraying, you may see sputtering or a decrease in power. Let the unit rest until it reaches room temperature before trying to spray again. If this does not work, wrap the unit with a warm towel to continue spraying.

Begin your project by spraying off workpiece, start to move back across, release button after moving completely off workpiece, repeat process with 35%-50% overlap. Starting and finishing off workpiece will lessen chance of "hot spotting" at beginning or ending of paint stroke.

4. **Preval - Cleaning:** Remove the power unit from the container immediately after use. Cap and store the unused liquid. Clean the power unit by placing the dip tube in the appropriate solvent and spraying until clean. If you are reusing the product container, clean with the same thinner used to clean the valve.

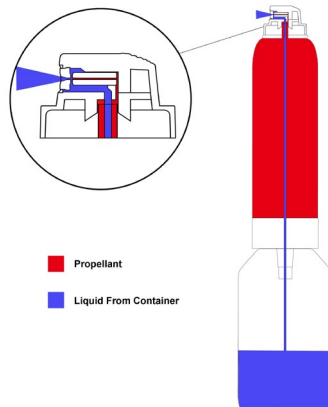
Clogging: Remove power unit from container and remove strainer from dip tube. Install power unit on container. Hold a rag over the red insert in the button and push the button down for three seconds. You will see bubbles in the liquid as the clog is pushed out of the unit. If the power unit gets cold, wrap it with a warm towel to bring it to room temperature or the pressure will get too low. If this does not clear the clog, replace the button as product may have dried in the button. The sprayer may not work if shaken, let the unit sit for 15 seconds before trying to spray again. Install strainer on dip tube.

If spraying thicker latex paint, hold a rag over the red insert in the button and push the button down for three seconds. You will see bubbles in the liquid as the paint is returned to the container. This will lubricate the passages in the power unit and allow smooth paint flow through the nozzle.



Use With

Use the Preval Spray System to spray these and many other liquids.



Types Of Coatings		
Alkyd Paint	Industrial Coating	2k Primer
Acrylic Paint	Lacquer	2k Paint
Latex Paint	Epoxy	2k Clear-Coat
Oil-Based Paint	Marine Paint	Art, Craft and Hobby Paint
Solvent-Based Paint	Paint Additives	Automotive Paint
Primer	Polyurethane	Dye
Stain	Sealants	Emulsion
Shellac	Toner	Fixative
Varnish	Enamel	Gelcoat
Base Coat	Fabric Dye	Glaze
Leather Dye	Water Based Coatings	Acetone

Thinning

Note: The following Thinning Guide represents specific instructions for paints and thicker materials. The Preval Sprayer is not limited to only spraying these products. Visit www.preval.com for more information on the many different uses of your Preval Sprayer.

Thinning Guide		
	Ratio	
Product	Product	Thinner
Varnish	4 fl oz (118 mL)	0.5 fl oz (15 mL)
Enamel	4 fl oz (118 mL)	1 fl oz (30 mL)
Lacquer	4 fl oz (118 mL)	1 fl oz (30 mL)
Latex Paint	3 fl oz (89 mL)	2 fl oz (59 mL)
Oil & Alkyd Base Paints	4 fl oz (118 mL)	1 fl oz (30 mL)
See manufacturer's instructions for automotive paint.		

Stains, shellac or other water-thin products generally do not require any thinning. Use the thinner recommended by the manufacturer whenever thinning.

Note: For water-based paints and acrylics - thin at a 3:2 ratio. Remove container from power unit, add conditioner and shake before re-attaching to power unit.

Paint Coverage

Note: The following results will vary. This table is for reference only. Follow the instructions and estimated coverage on the manufacture's label.

PREVAL Estimated Paint Coverage				
Type of Paint Used in the Preval System	Dilution	Thinner Used	Coverage (Sq. Ft.)	Volume Used (ml)
Red Lacquer (Oil Based)	4 to 1	Lacquer Thinner	85.5*	440
White Latex (Water Based)	3 to 2	Latex X-Tender®	60.0*	125
Clear Varnish (Oil Based)	4 to 1	Paint Thinner	153.9*	340
White Alkyd (Oil Based)	4 to 1	Mineral Spirits	102.6*	160
Brown Protective Enamel (Oil Based)	4 to 1	Mineral Spirits	102.6*	230
White Semi Gloss Medium Base Latex (Water Based)	3 to 2	Latex X-Tender®	85.5*	185
* Estimated values from evacuation testing of one Preval power unit per type of paint				

Upon request via email info@preval.com we will furnish our certificate of insurance and Material Safety Data Sheets.

Safety

WARNING

Flammable. Contents under pressure. Deliberate or intentional misuse by inhaling vapors may be harmful or fatal. Do not puncture or incinerate container. Do not expose to heat, sparks, open flame or store at temperatures in excess of 120° F (49° C). This is not a toy. Keep out of reach of children. Do not use with foods or pharmaceuticals.

Work in a well ventilated area when mixing or spraying paint and other volatile liquids. Keep away from open flame. Avoid breathing fumes.

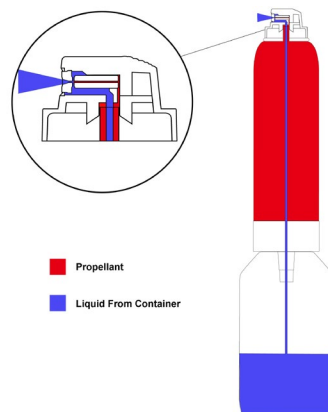
Handling

The Sprayer is classified as 'Limited Quantity or Consumer Commodity which means a material that is packaged and distributed in a form intended or suitable for sale through retail sales agencies and is a hazardous material which is packaged as authorized within the Limited Quantity provisions and is intended or suitable for sale at retail agencies.

Since Limited Quantities are already afforded packing and hazard communication exceptions, and are provided additional exceptions. For example, ground shipments of Limited Quantities previously required shipping papers and HMR eliminated the requirement for shipping papers for ORM-D shipments (as previously noted in §§173.306(i), 173.150(c), 173.151(c), 173.152(c), 173.153(c), 173.154(c), and 173.155(c)).

For a Material Data Safety Sheet please email info@preval.com

The Patented PREVAL Design - How it Works



When the button is pressed, propellant and liquid are mixed and dispensed as a spray at the nozzle by action of the venturi effect. Liquid from the jar is pulled up the tube as propellant travels across the holes in the red insert (inside the button). The propellant and liquid do not mix prior to being dispensed out of the nozzle.