

# Red Devil

## Technical Data Sheet

### Foam & Fill Triple Expanding Polyurethane Sealant

#### Product No. 0909, 0912

### Description

Foam & Fill Triple Expanding Polyurethane Sealant – Aerosol is a one-component, triple expanding foam exhibiting excellent insulation capabilities. The cured foam can be sanded, painted or stained & contains no HCFC's or CFC's. Foam is not harmful to the ozone layer.

### Key Features

1. Quick & easy to use
2. Fills holes, gaps & cracks
3. Insulates & prevents drafts
4. Seals out insects & pests
5. Interior/Exterior use
6. UL Listed Component, Class 1 Foam (as determined by ASTM E-84)

### Uses

Use around; Window and Door Frames, Pipes, Electrical Outlets, Vents, Holes, Gaps & Foundations.

### Application Preparation

Shut off all gas pilot lights, electrical igniters, burners and other sources of ignition and heat before and during use, as this product is FLAMMABLE during dispensing. Surface should be clean, dry & free of contaminants for maximum adhesion.

### Directions

1. Following label directions, wear protective gloves and protective eyewear.
2. Screw trigger/nozzle assembly to valve.
3. Shake can vigorously for at least one minute before use. Test on a cloth or newspaper first.
4. Holding can upside down, slowly pull trigger until foam flows smoothly. Never activate valve with can right side up, propellant will escape. Fill openings only 33% to allow expansion of foam. Do not overfill.

<u>Physical/Performance Property</u>	<u>Test Method</u>	<u>Typical Result</u>
Thermal Conductivity	ASTM C-518	0.22 to 0.26 Btu-in/hr-F- sq ft
Flame Spread	Test Lab	15
Smoke Developed	Test Lab	35
Color	Visual Observation	Champagne-like
Odor	Subjective	Mild (Use w/ adequate ventilation)
Tack-free time (TT-S-1543A)	Test Lab	10 minutes
Fully Cured	Test Lab	24 hrs
Expansion:	Test Lab	12 oz. can: Approx. 0.35 cu. Ft. 20 oz. can: Approx. 0.57 cu. Ft.
Linear Footage (3/8" Foam Bead)	Test Lab	12 oz. can: Approx. 465 linear feet 20 oz. can: Approx. 720 linear feet
Fully cured	Test Lab	4 to 24 Hours (depending on temperature & humidity)
Paint Over Time (Latex & Oil Based)	Test Lab	When Fully Cured
Weathering	Test Lab	Must be protected w/premium quality paint when used in Sunlight or UV light
Heat Resistance	Test Lab	Cured foam must be covered w/ a thermal barrier if exposed to temperatures above 250°F (121° C). Product should not be exposed to direct flame.
Clean-up Solvent (Before cure)	Test Lab	Paint thinner or Acetone (if done immediately) Cured foam can not be removed w/ solvents. If foam hardens on skin, use industrial hand cleaner or petroleum jelly, leaving on for 1 hr. Foam can eventually be removed from skin w/ repeated effort & is not harmful to health.
Shelf Life	Test Lab	1 year (unopened @ 77°F - 25°C)
Water Resistance	Test Lab	Excellent (when cured)
Storage	Test Lab	Store in a cool, dry area. Store in upright position @ temps above freezing. Avoid temps above 100°F.
Standard Container	Known	12 & 20 oz. cans supplied w/ nozzle

## Clean Up

Uncured Foam – Clean immediately with acetone.  
Cured Foam – cannot be removed with solvents. If foam hardens on skin, apply petroleum jelly, put on plastic gloves, leave on for 1 hour and rub off with clean cloth. Repeat if necessary.

## For Best Results

- Always wear protective gloves & eyewear when using.
- Shake can vigorously for at least 1 minute before using.
- Test on a cloth or newspaper first.
- Applied foam subject to UV/Sunlight must be painted with appropriate premium paint or elastomeric coating.
- Apply when temperature is above 65F & below 100F. (Extrusion in lower temperatures will be slow & product curing may be effected)

## Color

Champagne-like

## Packaging

12 oz & 20 oz. cans supplied w/ nozzle

## Limitations

- Not recommended for filling enclosed cavities. Do not use between walls or under tub surrounds as expansion may alter dimensions. Care should be taken when using in conjunction with installation of doors & windows as expansion of foams may alter operation of components.
- Not for use as a fire stop foam.
- Can be used on virtually all, clean surfaces EXCEPT Teflon, Silicone & Polyethylene.
- Do not expose to rain or excessive moisture for 24 hours.
- Do not apply to surfaces with excessive moisture content.
- Flammable during dispensing.
- Foam exposed to sunlight or UV must be protected with a premium elastomeric coating or paint to prevent deterioration.

## Environmental, Safety & Transportation Information

May irritate eyes, skin & respiratory tract. Wear gloves, protective clothing & goggles if contact likely. SEE MSDS FOR ADDITIONAL INFORMATION. CAUTION: Contains MDI Monomer Polyurethane Resin and Propane/Isobutane. If burned, dried foam may release hazardous decomposition products. IMDG (maritime transport) Class 2.1, EMS = F – D, S – U. ADR (transport by road), RID (transport by rail), ADIR (transport by inland waterways) = Class 2, Code 5F, Danger Label Packages 2.1. ICAO (air transport) Class 2.1 (Flammable Gas). FOAM CURRENTLY EXEMPT & SUITABLE FOR SALE IN CALIFORNIA, OTC & LADCO STATES, AS OF THIS DATE. ECCN Number: EAR99.

<u>Criteria</u>	<u>Evaluation Method</u>	<u>Status</u>
<i>CARB Compliance</i>	<i>Documents Review</i>	<i>Yes (Currently Exempt)</i>
<i>Prop 65 Ingredients</i>	<i>Documents Review</i>	<i>None</i>
<i>DOT Proper Shipping Name</i>	<i>Documents Review</i>	<i>Consumer Commodity</i>
<i>AIR OR OCEAN EXPORT:</i>	<i>Documents Review</i>	<i>AEROSOLS, CLASS 2.1, UN 1950</i>
<i>DOT UN/NA Number</i>	<i>Review of Regs</i>	<i>N/A</i>
<i>ORM-D</i>	<i>Documents Review</i>	<i>Yes</i>
<i>Packing Group</i>	<i>Review of Regs</i>	<i>N/A</i>
<i>VOC Content</i>	<i>Calculated</i>	<i>18% by weight, 150 g/L</i>
<i>ECCN Number</i>	<i>Documents Review</i>	<i>EAR99</i>

**CAUTION: NOT FOR INTERNAL CONSUMPTION. KEEP OUT OF REACH OF CHILDREN & PETS. Contents under pressure. Do not puncture or incinerate. If burned, dried foam may release hazardous decomposition products. Keep from freezing. Cans may burst if left in closed area, such as a motor vehicle. Ventilate work area with moving fresh air. Vapors heavier than air may cause flash fire or ignite explosively. Overexposure to vapors will cause dizziness or headache. Dried foam may be combustible if exposed to flame or temperatures above 240°F. (See MSDS for additional information)**

## LIMITED WARRANTY

Recommendations for use of this product are based on tests we believe to be reliable. Manufacturer and seller are not responsible for results where this product is used under conditions beyond our control. If not satisfied when used as directed, product will be replaced without charge upon presentation of proof of purchase and used container. This limited warranty only applies to residential use and damages including consequential damage and other remedies are excluded. No other warranties apply, including fitness for a particular purpose.

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SEE MSDS FOR ADDITIONAL DATA/INFORMATION

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