



# Red Devil

## FOAM & FILL

## TECHNICAL DATA SHEET

### MINIMAL EXPANDING POLYURETHANE FOAM SEALANT

#### Small Gaps & Cracks

#### DESCRIPTION

Foam & Fill Minimal Expanding Polyurethane Foam Sealant – expands to fill large holes, cracks, gaps and voids around windows, doors, pipes, outlets, vents, and foundations. This insulating foam forms an airtight, waterproof bond and seals out drafts, moisture, and pests. Foam is not harmful to the ozone layer.

#### PACKAGED AS

PART #	PACKAGE	COLOR	UPC
0913	12oz. Can	Pale Yellow	075339091302
0920	20oz. Can	Pale Yellow	075339092002

#### KEY FEATURES

- Quick and Easy to Use
- Fills Holes, Gaps and Cracks
- Insulates and Prevents Drafts
- Seals Out Insects and Pests
- Interior/Exterior Use
- UL Listed Component, (ASTM E-84)
- Contains No HCFC's or CFC's

#### CLEAN UP

Uncured Foam – Clean immediately with Red Devil Gun Foam Cleaner. 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.

#### ENVIROMENTAL, SAFETY & TRANSPORTATION

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.

CRITERIA	STATUS
CARB Compliance	Yes (Currently Exempt)
Prop 65 Ingredients	None
DOT Proper Shipping Name	Consumer Commodity
AIR OR OCEAN EXPORT	AEROSOLS, class 2.1, UN 1950
DOT UN/NA Number	N/A
ORM--D	yes
Packing Group	N/A
VOC Content	< 154 g/L
ECCN Number	EAR99

#### DIRECTIONS

- Follow label directions, wear protective gloves and Protective eyewear.
- Screw mechanical trigger/nozzle assembly to valve.
- Shake can vigorously for at least one minute before use. Test on a cloth or a scrap paper first.
- Holding can upside down, slowly pull trigger until foam flows smoothly. Never activate valve with can right side up, propellant with escape. Fill opening only 33% to allow expansion of foam. Do not overfill.

#### 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.

#### FOR BEST RESULTS

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

#### 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 when applied as directed, this material peels, cracks or separates, it 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. **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)



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#### USES

Use around: Window & Door frames, Pipes, Electrical Outlets, Vents, Holes, Gaps, and Foundation.

#### ACCESSORIES

- 0921 – Red Devil Foam/Gun Foam Cleaner

#### 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 and windows as expansion of foam may alter operation of components.
- Not for use as a fire stop foam.
- Can be used on virtually all, clean surfaces EXCEPT Teflon, Silicone and 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.

PHYSICAL/ PERFORMANCE PROPERTY	TEST METHOD	TYPICAL RESULT
Thermal Conductivity	ASTM C--518	0.22 to 0.2 Btu in/hr F sq ft
Flame Speed	Test Lab	15
Smoke Developed	Test Lab	35
Color	Visual Observation	Pale Yellow
Odor	Subjective	Mild (Use w/ adequate ventilation)
Tack--free time (TT--S--1543A)	Test Lab	30 minutes
Fully Expanded	Test Lab	1 hour
Expansion	Test Lab	12 oz. & 20 oz. can: Approx. 0.35 cu. Ft. & 0.57 cu. Ft.
Linear Footage (3/8" Foam Bead)	Test Lab	12 oz. & 20 oz. can: Approx. 370 linear ft. & 614 linear ft.
Fully Cured	Test Lab	4 to 24 hours (depending on temperature and humidity)
Paint Over Time (Latex and 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	Uncured use Red Devil Gun Foam Cleaner or Acetone. Cured foam can not be removed with solvents. If foam hardens on skin, use an industrial hand cleaner with pumice.
Shelf Life	Test Lab	1 Year unopened at 77°F (25°C)
Water Resistance	Test Lab	Excellent (When cured)
Storage	Test Lab	Store in cool, dry area. Store in upright position at temps above freezing. Avoid temps above 100°F
Standard Container	Known	12 oz. & 20 oz. cans supplied with nozzle