

Red Devil

Technical Data Sheet

Window & Door Expanding Polyurethane Foam Sealant Product No. 0914

Description

Window & Door Expanding Polyurethane Foam Sealant is specifically formulated for filling, insulating & sealing around windows & doors. Innovative low pressure & expansion formula eliminates warping & bowing of frames & provides a full cavity fill.

Key Features & Benefits

1. AAMA verified/certified component for use in Window & Door installation – AAMA 812-10.
2. Low pressure & low expansion formula that fills gaps w/o warping, bending or bowing window & door frames during installation.
3. Remains flexible after cure.
4. Repels moisture & provides high, long term insulation value – increases energy efficiency.
5. All direction dispensing – more comfortable application in hard to reach places.
6. Pale yellow color.

Uses

Use for a wide range of interior & exterior sealing & insulating applications such as basement areas, attic areas & around cables, pipes, vents & duct penetrations. Use to fill, seal & insulate gaps during windows & doors installation.

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.

<u>Physical/Performance Property</u>	<u>Test Method</u>	<u>Typical Result</u>
Closed Cell Content	Test Lab	Up to 50%
Color	Visual Observation	Pale yellow
Odor	Subjective	Mild (Use w/ adequate vent.) – Odorless @ cure
Tack-free time	Test Lab	~ 10 minutes
Fully Cured 1"	Test Lab	≤ 60 minutes
Expansion:	Test Lab	12 oz. can: Approx. 0.6 cu. Ft.
Application Temperature	Test Lab	41F to 86F (5C to 30C)
Linear Footage (1/2" Foam Bead)	Test Lab	12 oz. can: Approx. 465 linear feet
Cutting Time	Test Lab	60 minutes (1 inch)
Fully cured	Test Lab	24 Hours (initial cure ~ 6 hrs)
Paint Over Time (Latex & Oil Based)	Test Lab	When Fully Cured
Weathering	Test Lab	Must be protected w/ premium paint when used in sunlight or UV light
R-Value	Test Lab	4-5 per inch
Service Temperature	Test Lab	-76°F to 212°F (-60°C to 100°C)
Shrinkage	Test Lab	< 4% after first 24 hrs
Water Absorption	Test Lab	1.5% after first 24 hrs, then waterproof
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 with pumice, leaving on for 1 hr. Foam can eventually be removed from skin w/ repeated effort & is not harmful to health.
Shelf Life	Test Lab	12 months (unopened @ 77°F; 25°C)
Storage	Test Lab	Store in a cool, dry area. Store in upright position @ temps above freezing. Avoid temps above 100°

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Clean Up

Uncured Foam – Clean immediately with acetone.
Cured Foam – cannot be removed with solvents. If foam hardens on skin, use an industrial hand cleaner with pumice. Repeat if necessary. Foam that cannot be removed will wear off in time.

For Best Results

- Always wear protective gloves & eyewear when using.
- Shake can vigorously for at least 1 minute before using.
- Applied foam subject to UV/sunlight must be painted with premium paint or elastomeric coating.
- Apply when temperature is above 41F & below 86F. (Extrusion in lower temperatures will be slow & product curing may be effected).

Color

Pale yellow

Packaging

Can supplied w/ nozzle

Limitations

- Can be used on virtually all, clean surfaces EXCEPT Teflon, Silicone & Polyethylene.
- Not recommended for filling enclosed cavities. Do not use between walls or under tub surrounds as expansion may alter dimensions.
- Do not expose to rain or excessive moisture for 6 hours.
- Do not apply to surfaces with excessive moisture content.
- Flammable during dispensing.

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) Haz 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>
CARB Compliance	<i>Documents Review</i>	Yes (Currently Exempt)
Prop 65 Ingredients	<i>Documents Review</i>	None
DOT Proper Shipping Name	<i>Documents Review</i>	Consumer Commodity
AIR OR OCEAN EXPORT:	<i>Documents Review</i>	AEROSOLS, CLASS 2.1, UN 1950
DOT UN/NA Number	<i>Review of Regs</i>	N/A
ORM-D	<i>Documents Review</i>	Yes
Packing Group	<i>Review of Regs</i>	N/A
VOC Content	<i>Documents Review</i>	183 g/L
AAMA Verified/Certified	<i>AAMA 812-10</i>	Yes

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) Do not store in direct sunlight or at temperatures exceeding 120F.

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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