



I. Product Description

CRC Minimal Expansion Foam is the simple way to fill, seal, bond, retrofit, insulate and deaden sound in and around cavities. The UL[®] Classified, polyurethane foam forms a permanent, waterproof and airtight bond to masonry, wood, glass, metal and most plastics. It stops drafts, dust, moisture, insects and rodents. **Minimal Expansion Foam** cures to a semi-rigid, closed cell foam that insulates to R-5 for each inch of foam. It uses a non-flammable propellant and a patented valve for safe and accurate dispensing. **Minimal Expansion Foam** is also reusable for up to 30 days after initial use.

II. Applications

Recommended for filling, insulating, sealing, bonding, protecting and sound deadening in construction, HVAC, electrical, industrial, plumbing and many more applications. Use to fill, seal and insulate around electrical outlets, utility panels, ducts, pipes, doors, windows, base plates, joints, cracks, crawlspaces and foundations. **Minimal Expansion Foam** is excellent for use for spot insulating and touch-ups. It adheres to most building materials except polyethylene, PTFE, silicone, oils and greases, mold release agents and similar materials.

III. Features & Benefits

- **Fills, Insulates, Seals, Bonds, Retrofits and Deadens Sound.**
- **Low Expansion.** Foam expands about 50% when fully cured.
- **Fills Holes.** Recommended for filling cracks, crevices and to fill smaller cavities on flat or irregular surfaces.
- **Moisture Curing.** Foam expands and cures upon reaction with moisture, such as ambient humidity.
- **High Insulation Value.** Cured foam insulates to R-5 for each inch of foam.
- **UL[®] Classified.** Listed by the prestigious Underwriters Laboratories as a caulking sealant.
- **Non-Flammable.** Foam and propellant are non-flammable, greatly reducing the risk of fire.
- **All Direction Dispensing.** Foam can be sprayed in all directions – even right side up for overhead applications.
- **Multi-Use Applicator System.** Keeps foam from curing in the can for up to 30 days after initial use.

IV. Physical Properties with propellant

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| Flammability | Non-Flammable | Tack Free Time (70°F 40% R.H) | 5-10 minutes |
| Odor | Faint hydrocarbon during curing stage | Specific Gravity | 1.2 |
| Appearance | Tan Foam | Temperature range (cured foam) | -200°F – 200°F (-129°C – 93°C) |
| Cure Time | 12 – 24 hours | Propellant | HFC-134a |
| Sara Title III, Sect. 313 Chemicals | Yes | VOC Content | 0% |
| Prop 65 | No | | |

Optimal application temperature is between 65 – 100°F (18 – 38°C) and may be used between 40 – 115°F (4 – 46°C). Cured foam is resistant to heat and cold, -200°F to +200°F (-129°C to +93°C). Cured foam is chemically inert and non-reactive in approved applications, and will not harm electrical wire insulations, Romex[®], rubber, PVC, polyethylene (i.e. PEX) or other plastic. It is approved for use around wires, plumbing penetrations, etc., and contains no formaldehyde.

V. Specifications and Approvals

- Underwriters Laboratories Listed – R-14175 Caulking & Sealants

VI. Performance Characteristics

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| Cure Time | 12 - 24 hours |
| Tensile Strength ASTM – D-2856 | 15 psi (103K Pa) |
| Compressive Strength ASTM – D-1621 | Parallel at 10% 10-14 psi (69-96K Pa) |
| UL Classified | File # R-14175 Caulking & Sealants |
| Shelf Life | 15 Months |
| Theoretical Yield, per European Method | 780 ft. @ 3/8" bead or 0.6 ft. ³ |
| Theoretical Yield, bead tested per ASTM C-1635 | 250 ft. @ 3/8" bead or 0.193 ft. ³ |

VII. Directions

- Wear protective gloves, goggles and work clothes during use. Use with adequate ventilation.
- Use between 65°F – 100°F. Clean grease and oil off surfaces to be foamed using a CRC Cleaner. Cover surrounding surfaces.
- With valve end of can down, slowly press trigger to dispense foam as a bead. Test on experimental surface.
- Fill cavity only 40% with foam to allow for expansion. For cavities greater than 3" in diameter, moisten substrate before applying.
- Surface tack free in 5-10 minutes, cures in 12-24 hours. Do not disturb uncured foam. The tack free and cure times may vary depending on temperatures and humidity.
- Cured foam can be trimmed or sanded. Cured foam exposed to sunlight must be covered with paint or stain.
- Store upright in a cool, dry area. Leave nozzle on can. To reuse, cut 1" off nozzle tip. Use remainder of can within 30 days.
- Clean uncured foam with acetone or CRC Natural Degreaser™.

VIII. Package Description

| Part Number | Container Size |
|-------------|----------------|
| 14077 | 16 oz Aerosol |

IX. Disposal

Disposal requirements vary by state and local jurisdiction. All used and unused product should be disposed of in conformance with local, state and federal regulations.

X. Special Use Warnings

Aerosol Cans

Do not puncture, incinerate or store above 120°F. Exposure to high temperatures may cause can to burst. Do not place in direct sunlight or near any heat source. Aerosol cans will conduct electricity. Keep away from all live electrical sources including battery terminals, solenoids, electrical panels and other electronic components. Failure to observe this warning may result in serious injury from flash fire and/or electrical shock.

General

Use only in well-ventilated area. Ventilation may be improved by opening a window or door or providing mechanical assistance. Avoid continuous breathing of vapor and spray mist. Avoid contact with skin and eyes. If ventilation is not adequate, respiratory protection should be worn. For more information regarding short term and long term exposure, review this product's Safety Data Sheet.

DISCLAIMER: This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. All products should be tested for suitability on a particular application prior to actual use. CRC Industries, Inc. makes no representations or warranties of any kind concerning this data.