

TECHNICAL DATA

MONO[®]

MONO[®] POLYURETHANE INSULATING FOAM SEALANT

Revised: 3/12/10

MONO[®] Polyurethane Insulating Foam Sealant

- Fills cracks and gaps
- Prevents energy loss
- Water resistant
- Insulates and seals
- Stops drafts
- Gap filler
- Seals
- Insulates

Packaging: 250g can, 350g can, 420g can, 580g can, 795g can
Color: Cream
MONO Product Code: 0 63213 00954 3, 0 63213 00955 0, 0 63213 00949 9, 0 63213 00957 4,
0 63213 02430 0
DAP UPC: 0 70798 75954 1, 0 70798 75955 8, 0 70798 75949 7, 0 70798 75957 2,
0 70798 75430 0
MONO Model: 890201546, 890201538, 890201420, 890201539, 890201795

Company Identification:

Manufactured For: DAP Canada, 475 Finchdene Square, Unit 5, Scarborough, ON M1X 1B7
Usage Information: Call 1-888-327-8477 or visit monosealants.ca
Order Information: 416-321-1522
Fax Number: 416-321-3325

Product Description:

MONO[®] Polyurethane Insulating Foam Sealant is a one-part, moisture-curing polyurethane foam that expands to fill and seal large cracks, gaps and holes. Stops drafts and prevents air loss leading to improved energy efficiency. Waterproof.

Suggested Uses:

- Sealing around pipes, ducts, vents, electrical outlets and cables
- Filling large gaps and cracks in foundations, masonry walls, crawlspaces and more
- Provides an excellent insulating seal to wood, concrete, brick, vinyl, steel and aluminum
- **Not recommended for use in filling enclosed cavities (between walls or under tub surrounds)**
- **May cause jambs or sills to buckle**
- **Cured foam must be painted or coated for outdoor applications**
- If stored in a cool, dry area, may be used for up to 2 weeks from initial use

Performance Characteristics:

- MONO[®] Polyurethane Insulating Foam is formulated to expand 2-1/2 to 3 times the contents of the can to fill and seal large leaks, gaps, and holes. MONO[®] Polyurethane Insulating Foam is a minimal expanding foam sealant when compared to other polyurethane insulating foam sealants.
- Tack free in 5 minutes. Can be cut in 1 hour. Fully cured in 24 hours. (Cure times vary based on bead size, temperature and humidity.)
- UL Classified – file #R-13919 Caulking and Sealants Surface Burning Characteristics Applied to Inorganic Reinforced Cement Board:
 - Flame Spread 25
 - Smoke Developed 50

Surface Preparation & Application:

1. Wear safety glasses with side shields and protective gloves. Use in well-ventilated areas. All areas not to be foamed should be covered with masking tape or dropcloths.
2. Clean and remove grease, dirt and debris from application area.
3. Apply at temperatures between 18°C and 26°C (64°F and 79°F).
4. Shake can vigorously before and occasionally during use.
5. Remove cap.
6. Screw nozzle adapter clockwise on to can valve until snug. Do not apply pressure or force when attaching adapter.
7. Moisten substrate for filling cavities greater than 7.62 cm (3”) diameter.
8. To apply product, hold can upside down, place the applicator tube into the gap or hole to be filled and gently press nozzle. As product dispenses, can may be turned right side up. Dispense foam into lower part of cavity first and fill to only 40% to leave room for expansion. **DO NOT DISTURB THE FRESHLY DISPENSED FOAM.**
9. Release the trigger nozzle about 5 seconds before you want the flow of foam to stop. Fill in only about 40% of the cavity to allow foam to expand.
10. Familiarize yourself with the foam by practicing on newspapers. Gauge expansion by allowing test bead to expand for 60 minutes.
11. **Cured foam exposed to sunlight must be coated with paint or other coating.**
12. *If stored in a cool, dry area, may be used for up to 2 weeks from initial use. If storing to re-use, leave nozzle on valve. When ready to re-use, cut off one inch of nozzle tip and re-shake the can for 1 minute.

PRECAUTIONARY MEASURES FOR USE, HANDLING, STORAGE AND DISPOSAL: Use in a well ventilated area. Do not get on eyes or skin. Do not breathe vapors. Wear gloves and eye protection with side shields. **PRODUCT IS EXTREMELY FLAMMABLE WHEN DISPENSING! Vapor may ignite explosively.** Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights. Turn off stoves, heaters, electrical motors, and other sources of ignition during use and until vapor is gone. Do not puncture, strike or incinerate can. Do not expose to heat or store above 120°F. Do not place in hot water or near radiators, stoves or other sources of heat. Do not keep can in direct sunlight or high temperature areas, such as automobiles. If exposed to heat or direct sunlight, container may explode. Store in a cool dry place. Use only as directed. This product is combustible and may constitute a fire hazard if improperly used. **DO NOT USE NEAR OPEN FLAME.** Cured foam may be combustible if exposed to flame or temperatures above 240°F. If burned, cured foam may release hazardous decomposition products. For additional information refer to the Material Safety Data Sheet.

Physical & Chemical Characteristics:

Tack-Free Time:	45 minutes
Color:	Creamy Yellow
Paintable:	Exterior applications must be painted to protect from U.V.rays.
Odor:	Slight hydrocarbon odor during curing stage
Consistency:	Foam (Cures to a semi-rigid consistency)
Vehicle:	Isocyanate Prepolymer

Propellant:	Hydrocarbon
Propellant Flash Point:	-104°C (-156°F)
Foam Core Density:	17.6 kg/m ³ (1.1 lbs/ft ³)
Specific Gravity:	1.1
Service Temperature:	-129°C to 116°C (-200°F to 240°F)
Application Temperature (optimal):	18 to 27°C (65 to 100°F)
Application Temperature (limits):	4 to 46°C (40 to 115°F)
Insulation Rating (R-value):	4-5 per inch of cured foam
Shelf Life:	12 months
Coverage:	250 g yields 123 metres at 12.7 mm bead (404 ft @ ½" bead) 350 g yields 173 metres at 12.7 mm bead (566 ft @ ½" bead) 420 g yields 207 metres at 12.7 mm bead (679 ft @ ½" bead) 580 g yields 286 metres at 12.7 mm bead (938 ft @ ½" bead) 795 g yields 392 metres at 12.7 mm bead (1285 ft @ ½" bead)
MSDS No:	00042445604

Clean Up:

Uncured foam can be cleaned up with paint thinner or acetone. Cured foam cannot be removed with solvents. Excess cured foam can be removed by trimming with a sharp knife. DO NOT use acetone or other solvents to remove product from skin. SKIN CONTACT: Wipe excess uncured foam off with a paper towel immediately. Wash remaining uncured foam immediately with soap and water. Remaining uncured residue can be removed with petroleum jelly or baby oil. For cured foam, soak in warm soapy water, then apply petroleum jelly. Cured foam will wear off in time.

Safety:

See product label and Material Safety Data Sheet (MSDS) for safety information. You can request an MSDS by visiting our website at monosealants.ca or by calling 416-321-1522.

Satisfaction Guaranteed:

If not satisfied with product performance when used as directed within one year of purchase, DAP Canada will replace this product or refund your purchase price. Call 416-321-1522 with your sales receipt and product container available to arrange for warranty fulfillment. DAP Canada and its affiliates will not be liable for any incidental or consequential damages under any circumstances.