



# TECHNICAL DATA SHEET

2400 Boston Street | Suite 200 | Baltimore, MD | 21224

## DAP® WALL & CAVITY FOAM 10.5 LB

### PRODUCT DESCRIPTION

DAP® Wall & Cavity Foam 10.5 lb is a portable, self-contained, one-component polyurethane foam dispensing kit. When used according to the manufacturer's directions, it effectively air seals and insulates homes and buildings, providing Class A fire resistance. The technology broadcast sprays similar to two-component systems, but in a less complicated, easy-to-use one-component solution that can be applied in a wide temperature range 5°C – 48°C (40°F – 120°F). Great for small repairs and renovations.



PACKAGING	Case	COLOUR	SKU#
10.5 lb Cylinder	1	Off-White	7565070351

Kits include: Applicator, 8' Hose, Extra Nozzles, Gloves, Wrench, Extra Tips & Washers and Use Instructions.

### KEY FEATURES & BENEFITS

- Seals out air and provides thermal insulation saving on energy costs all year round
- Fully portable
- Class A fire-rated
- High closed cell content
- Foam dries to the touch in 7-12 minutes
- Bonds to a variety of materials including wood, masonry, metals, and drywall
- Interior use only

### SUGGESTED USES

#### USE TO FILL AND SEAL:

- Stud wall cavities
- Rim joists
- Basements
- Attics
- Crawlspace



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## FOR BEST RESULTS

- Read the instruction sheet provided in the kit and/or watch the how-to video at [dap.com](http://dap.com) before use
- Apply in temperatures between 5°C – 48°C (40°F- 120°F) and 40% relative humidity or higher
- Surface must be clean, dry, structurally sound, and free of all foreign material

## INSTRUCTIONS

**IMPORTANT – read all directions and cautions before use. Always wear gloves, eye protection and work clothes. Use drop cloths.**

### **PREPARATION**

For optimal foam performance:

- The product should be conditioned at 21–29°C (70–85°F) for at least 24 hours prior to use.
- The surfaces and ambient temperature of the project location should be 5°C – 48°C (40° - 120°F) and the relative humidity should be 40% or higher.
- Shake canister vigorously back and forth by holding the top and bottom of tank for at least 30 seconds before use.
- Make sure lever on applicator is in off/closed position.
- Attach hose finger tight and then use wrench provided to tighten additional ¼ turn.
- Fully open valve on tank (3 full turns).
- Not to be used for direct overhead spraying.

### **APPLICATION**

**IMPORTANT: Always test spray on scrap cardboard or into trash bin before use on project.**

Holding spray nozzle approximately 25-38cm (10-15") from the material/substrate, slowly push trigger forward to first detent to open valve to dispense foam. Note, spray width 7.6cm-15+cm (3"-6+") can be adjusted by nozzle distance from surface and/or amount the valve is opened. The applicator sprays horizontally when nozzle is in horizontal position. To spray vertically, rotate hand so that nozzle is in a vertical position.



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- If the dispense rate is slower or pattern is narrower than desired, then the trigger can be pushed forward to the next detent for faster flow and wider pattern. Continue this process as needed until the trigger is fully opened.
- NOTE: For air sealing and thermal insulation purposes, one layer is sufficient (example: rim joist).
- If doing a full cavity fill, two-layer application is required (example: wall cavity, attic, etc.):
  - Rapidly and continuously spray no more than 1.27 cm (1/2") layer of wet foam and wait 15+ minutes to allow for initial (moisture) cure and expansion. Do not overfill. Additional cavities may be sprayed while waiting to apply a second layer. Once first layer is tack-free, a second layer can be applied.
  - NOTE: For air sealing and thermal insulation purposes, one layer is sufficient (example: rim joist).

## OR

- Mist the surface to be sprayed with water, apply a first layer of 1.27 cm (1/2") wet foam, and then immediately mist the wet foam surface with water to help speed the moisture cure. Wait 5-7 minutes before applying another layer. **This method is preferred for multiple layer applications and maximum thickness.**
- Foam surface is tack-free in 7-12 minutes, edges can be trimmed in 45 minutes, and is typically cured in 4 hours depending on foam thickness, temperature and humidity.
- Cure time is increased in thicker applications, colder temperatures and/or low humidity.
- Once completely cured, excess foam can be trimmed if necessary.

## CLEAN-UP

Uncured foam can be cleaned from most surfaces with DAP® Foam Cleaner or acetone. Cured foam must be removed mechanically from surfaces. If wet foam contacts skin, clean immediately with a dry rag – do not use water – water accelerates curing. If foam dries on skin, apply generous amounts of petroleum jelly, put on plastic gloves, and wait 1 hour. Remove gloves and with a clean cloth, firmly wipe off residue and repeat process if necessary. Wash with warm, soapy water. DO NOT use acetone (foam cleaner) or any other solvents to remove product from skin. Any residual cured foam will wear off in time. Remove contaminated clothing.

## STORAGE AND REUSE

- STORAGE: Always store low-pressure polyurethane foam products upright in a dry, conditioned area. Do not expose pressurized containers to an open flame or temperatures above 50°C (122°F). The ideal storage temperature is 21–29°C (70–85°F), but not below 16°C (60°F) or above 32°C (90°F).



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- **REUSE:** Turn applicator to OFF position. Can use tape to secure. Remove tip and washer and clean-out any residual wet material thoroughly from nozzle with DAP Foam Cleaner. Do not empty hose. Close the valve on top of tank. Leave hose and applicator connected for reuse up to 30 days. Extra tips and washers provided.
- **DISPOSAL:** Product should be disposed of in accordance with applicable federal, state and local regulations. Check with your local waste service for guidance.

## TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Theoretical Yield / Output*	10.5 lb canister: Up to 97 board ft**
Tack Free	7 - 12 minutes
Trimable	45 minutes
Fully Cured	24 hours
Shelf Life	15 months. Expiration date on box
Application Temperature Range	40°F to 120°F (4°C ~ 49°C)
ASTM E84 Surface Burning Characteristics (Flame/Smoke)	10 / 450 @ 2.75"
ASTM D1622 Core Density	1.4 +/- .20pcf (22.4 +/- 3.20 kg/m <sup>3</sup> )
ASTM D6226 Closed Cell Content	>80%
ASTM E96 Water Vapor Transmission	4.1 perm @1" (234 ng/Pa s m <sup>2</sup> )
ASTM E2178 Air Permeance, 1"	<0.004 CFM / ft <sup>2</sup> (<0.02 L/s/m <sup>2</sup> )
ASTM C518 Aged R-Value	4.1 @ 1" (25mm)
ASTM D1623 Tensile Strength	12 psi (83 kPa)
Dimensional Stability, 158°F/97%RH	-3.3% vol
International Residential Code	Compliant
ASTM C1643 Volumetric Expansion	Approximately 3x
California Bureau of Home Furnishings & Insulation	Listed
UL Classified Foamed Plastic	Listed

\* Theoretical yield is used as an industry standard to represent the size of spray foam kits. Theoretical yield calculations are performed in perfect laboratory conditions, without considering variations in application method and types. Actual output can be affected by a number of factors including application method, application type, temperature and humidity.

\*\*A board foot is defined as a 12" x 12" square at 1" thick.



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## SAFETY

See product label or Safety Data Sheet (SDS) for health and safety information. You can request an SDS sheet by visiting our website at [dap.ca](http://dap.ca) or by calling 888-DAP-TIPS.

## LIMITED WARRANTY

If product fails to perform when used as directed, and before the “Must Be Used By Date” stamped on the product and its package, call 888-DAP-TIPS for a replacement product or sales price refund. DAP Canada will not be responsible for incidental or consequential damages.

## COMPANY IDENTIFICATION

**Manufactured for:** DAP Canada, 475 Finchdene Square, Unit 5, Scarborough, ON, M1X 1B7

**Usage Information:** Call 888-DAP-TIPS or visit [dap.ca](http://dap.ca) & click on “Ask the Expert”

**Order Information:** 800-668-9397 or 416-321-1522

**Fax Number:** 416-321-3325

**Also visit the DAP website at [dap.ca](http://dap.ca)**

R40694



UNDERWRITERS LABORATORIES INC.  
CLASSIFIED FOAMED PLASTIC  
Surface Burning Characteristics  
Applied To Inorganic Reinforced  
Cement Board\*  
Flame Spread 10  
Smoke Developed 450

\*TESTED AS APPLIED AT FULL COVERAGE WITH A NOMINAL DENSITY OF 1.30 PCF AND HAVING A MAXIMUM THICKNESS OF 2.75 INCHES.