



TECHNICAL DATA SHEET

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

DAP® BLACK INSULATING SPRAY FOAM with WIDESPRA Y APPLICATOR, 10.5lb

PRODUCT DESCRIPTION

DAP® Black Insulating Foam with Widespray Applicator is a portable, self-contained one-component polyurethane foam dispensing kits. When used according to manufacturer's directions, it effectively air seals and insulates homes and buildings while enhancing R-Value, dampening noise and providing Class A fire resistance. The patent-pending technology offers broadcast spray solution in a less complicated, easier to use one-component solution that can be applied in a wide temperature range of 45°F – 120°F. Ideal for outdoor & indoor activities, repairs, renovations and new installations. UV resistant, no need to paint after application.



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

PACKAGING	Case	COLOR	SKU#
10.5 lb Cylinder	1	Black	7565000321

KEY FEATURES & BENEFITS

- Seals out air and provides thermal insulation saving on energy costs all year round
- Class A fire-rated
- UV Resistant
- 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
- Exterior & Interior use

SUGGESTED USES

USE TO FILL AND SEAL:

- Stud wall cavities
- Rim joists
- Basements
- Attics
- Crawlspace s
- Cabins/Sheds
- Deer blinds
- Farming Structures (*Keep poultry and livestock away from uncured foam. The cured foam must be protected with a durable, physical barrier from poultry and livestock contact or access*)
- RV/Auto & Marine (*Not to be used for flotation purposes*)
- Landscaping projects and more



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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 before use
- Apply in temperatures between 45°F- 120°F (7°C – 48°C) and 40% relative humidity or higher
- Surface must be clean, dry, and free of all foreign material for proper adhesion

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 70-85°F (21–29°C) for at least 24 hours prior to use.
- The surfaces and ambient temperature of the project location should be 45-120°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 10-15" from the material/substrate, slowly push trigger forward to first notch to open valve to dispense foam. Note, spray width (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.

- 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 for maximum R value, two-layer application is required (example: wall cavity, attic, etc.):
 - Rapidly and continuously spray no more than 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).



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- If doing a full cavity fill for maximum R value, two-layer application is required (example: wall cavity, attic, etc.)

OR

- Mist the surface to be sprayed with water, apply a first layer of 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 122°F (50°C). The ideal storage temperature is 70–85°F (21–29°C), but not below 60°F (16°C) or above 90°F (32°C).
- **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.



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TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Theoretical Yield / Output*	10.5 lb canister: Up to 97 sq ft**
* Theoretical yield is used as an industry standard to represent the size of spray foam products. 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 square foot is defined as a 12" x 12" square at 1" thick.	
Tack Free	7 - 12 minutes
Trimable	45 minutes
Fully Cured	24 hours
Shelf Life	15 months. Expiration date on box
Application Temperature Range	45°F to 120°F (7°C - 49°C)
ASTM E84 Surface Burning Characteristics (Flame/Smoke)	10 / 450 @ 2.75"
ASTM D1622 Core Density	1.3 +/- .20pcf (20.8 kg/m ³)
ASTM D6226 Closed Cell Content	>80%
ASTM E96 Water Vapor Transmission	4.1 perm @1" (234 ng/Pa s m ²)
ASTM E2178 Air Permeance, 1"	<0.004 CFM / ft ² (<0.02 L/s/m ²)
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

SAFETY

See product label or Safety Data Sheet (SDS) for health and safety information. You can request an SDS by visiting our website at dap.com or calling 888-DAP-TIPS.

WARRANTY

LIMITED WARRANTY: Warranty terms available at dap.com/warranty. For a free written copy, call (888)-DAP-TIPS



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COMPANY IDENTIFICATION

Manufacturer: DAP Global Inc., 2400 Boston Street, Baltimore, Maryland 21224

Usage Information: Call 888-DAP-TIPS or visit dap.com & click on “Ask the Expert”

Order Information: 800-327-3339 or orders@dap.com

Fax Number: 410-558-1068

Also, visit the DAP website at dap.com

R14175



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.