



# TECHNICAL DATA SHEET

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

## DAP® BLACK INSULATING SPRAY FOAM, 20oz

### PRODUCT DESCRIPTION

Go beyond the home with DAP® Black Insulating Foam with Widespray Applicator. It is a versatile, one-component spray foam that effectively seals out air, provides thermal insulation, weather resistance and noise dampening. It features a patent-pending wide spray applicator with an adjustable nozzle for both horizontal and vertical applications. The foam works within a wide temperature range (45°F to 120°F) and dries to the touch in 7-12 minutes under normal conditions. It offers UV & Class A fire resistance with high closed-cell content. The reusable applicator can be cleaned with acetone. Designed for exterior & interior use and has a low Global Warming Potential. UV resistant, no need to paint after application. Applicator included.



PACKAGING	Case	COLOR	SKU#
20oz Can	6	Black	7565000320

### KEY FEATURES & BENEFITS

- Seals out air and provides thermal insulation, saving on energy costs all year round
- Wide ambient and substrate temperature range (45°F to 120°F) for greater project versatility
- Easy to use applicator that is reusable for life of can, when properly cleaned with acetone
- Wide spray applicator with adjustable nozzle for horizontal and vertical spray patterns
- UV resistant
- Meets requirements for Class A fire resistance
- High closed cell content
- Foam dries to the touch in 7-12 minutes at a normal temperature/humidity
- Bonds to a variety of materials including most: woods, masonry, metals and drywall
- Low Global Warning Potential
- Exterior & Interior use

### SUGGESTED USES

#### USE TO FILL AND SEAL:

- Rim joists
- Touch-Ups/ Corrections
- 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

For best results scan QR code to watch the How-To Video before use.



## 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:

- Application surface must be clean, dry and free of all foreign material for proper adhesion
- 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 (7°C - 49°C) and the relative humidity should be 40% or higher.
- Shake can vigorously for 30 seconds before use.
- While holding the can upright, attach the applicator to the can. Turn applicator at base of stem, not nozzle. Do not overtighten.

### APPLICATION

**IMPORTANT: Always test spray on scrap cardboard or into trash bin before use on project.** Rotate the applicator to adjust for horizontal or vertical spraying. The applicator sprays horizontally when tip is in horizontal position. To spray vertically, rotate applicator so that tip is in a vertical position. Holding the can UPSIDE DOWN, rapidly and continuously spray no more than 1/2" layer of wet foam approximately 12" from the material/substrate. Foam expands up to 3x so 1/2" of wet foam will expand to 1.5" layer of cured foam.

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 at least 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.

### **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 up 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 24 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.



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## **CLEAN-UP**

For uncured foam, unscrew applicator and clean-out applicator and valve thoroughly using 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, REUSE & DISPOSAL**

- **STORAGE:** Store upright. Do not expose to heat or store at temperatures above 122°F (49°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). Do not expose to temps below 60°F (16C) 122°F (49C) or above 90°F (32°C).
- **REUSE:** To reuse shake can thoroughly before re-spraying and follow provided instructions as above.
- **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* * 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.	Up to 11 square ft** **A square foot is defined as a 12" x 12" square at 1" thick.
Tack Free	7 - 12 minutes
Trimable	45 minutes
Fully Cured	Typically 24 hours, depending on temp, humidity, foam thickness
Shelf Life	12 months
Product Conditioning Temp Range	70–85°F (21–29°C)
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 <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



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International Residential Code	Compliant
ASTM C1643 Volumetric Expansion	Up to 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](http://dap.com) or calling 888-DAP-TIPS.

## WARRANTY

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

## COMPANY IDENTIFICATION

**Manufacturer:** DAP Global Inc., 2400 Boston Street, Suite 200, Baltimore, Maryland 21224

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

**Order Information:** 800-327-3339 or [orders@dap.com](mailto:orders@dap.com)

**Fax Number:** 410-558-1068

**Visit the DAP website at** [dap.com](http://dap.com)

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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.