TECHNICAL DATA SHEET

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

DAP® SMOKE & SOUND Smoke, Acoustical & Draft Sealant

PRODUCT DESCRIPTION

DAP® SMOKE & SOUND Professional-Grade Latex Sealant is specifically designed to reduce sound transmission & improve STC ratings in many types of wall & floor systems where a sound rated assembly is required. It is also an effective Smoke Blocking sealant, having been tested per ASTM E84/UL723 for flame spread & smoke generation. DAP® SMOKE & SOUND passes low temperature flexibility after weathering with minimal cracking & adhesion loss (ASTM C734). It stays flexible & resists brittling as it ages. It applies easily, tools smoothly, is paintable, has strong adhesion to most construction materials, & the cured sealant is mold & mildew resistant. The VOC compliant, formula is low in odor & cleans up easily with water.

PACKAGING	COLOR	UPC
28 fl oz (828 mL) Cartridge	White	7079818165

KEY FEATURES & BENEFITS

- Meets or Exceeds the following ASTM Specifications: ASTM E90, ASTM C834, ASTM E84 Class A / UL723, ASTM C919, & ASTM D217
- For Use on Sound-Rated Wall & Floor Systems
- Flame Spread: 0 / Smoke Developed: 0
- STC Rating: 64
- Reduces Sound Transmission, Smoke Migration & Drafts
- Stays Flexible / Sag-Resistant
- Crack Resistant
- Strong Adhesion to Wide Variety of Building Materials
- Easy Application & Water Clean Up
- VOC Compliant

- Cured Sealant is Mold & Mildew Resistant
- Interior/exterior use

SUGGESTED USES

USE FOR CAULKING & SEALING:

- Perimeter Joints
- Floor Runners
- Ceiling Runners
- Wall Penetrations in Gypsum
- Wall Penetrations in Plaster
- Openings for Electrical Boxes, Pipes, Duct Systems, Cut Outs, & other utility equipment

ADHERES TO:

- Wood – painted & unpainted
- Plywood
- Gypsum Board
- Greenboard
- Foamboard
- Cementboard
- Oriented Strand Board (OSB)
- Particleboard
- Drywall
- Most Metals
- Steel Studs
- Aluminum
- Common Masonry
- Concrete
- Brick
- Stone
- Slate
- Stucco
- Ceramic Tile

FOR BEST RESULTS

- Apply in temperatures between 40°F to 120°F
- Not for continuous underwater use or on PVC piping & glass
- Joint size should not exceed 1/2" wide x 1/2" deep. If joint depth exceeds 1/2", use backer rod material.
- Use on certain substrates, such as cementitious materials, may require a primer
- Store sealant away from extreme heat or cold.

APPLICATION

Surface Preparation

1. Surface must be clean, dry, structurally sound and free of all foreign material.

Product Application

1. Apply in temperatures between 40°F to 120°F. Do not apply when rain or freezing temperatures are forecasted within 24 hours. Cooler temperatures and higher humidity will slow down dry time.

2. Cut nozzle at 45º angle to desired bead size (3/8” recommended).
3. Remove nozzle and cut nub. Replace nozzle and load cartridge into caulk gun.
4. Sealant should be applied as specified in the sound-rated system being installed (either wood or metal studs). Refer to ASTM C919 Standard Practice for Use of Sealants in Acoustical Applications.

Bottom & Top Runners: Apply a continuous 3/8" bead of sealant on runners before setting gypsum board. Gypsum board shall be set into sealant to form complete contact with adjacent materials. Fill joint on top runner to complete seal. Repeat process for double layer applications.

Cut-Outs/Perimeter Joints: Sealant should also be applied to all openings, including electrical boxes, pipes, duct systems, cut outs and other types of utility equipment penetrating wall surfaces. Seal all joints at perimeter edges including abutting surfaces and corner joints.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Typical Uncured Physical Properties	
Appearance/Consistency	Smooth and creamy, non-slumping paste
Vehicle	Acrylic latex
Filler	Calcium carbonate
Volatile	Water
Weight % Solids	81%
Density (lbs per gallon)	12.9
Odor	Very mild
Flash Point	> 212ºF (>100ºC)
Freeze Thaw Stability (ASTM C1183)	Passes 5 cycles
Shelf Life	12 months with proper storage
Coverage	Up to 38 linear feet at 3/8” bead
Typical Application Properties	
Application Temperature Range	40°F to 120°F
Tooling Time	10 minutes
Tack Time (Working Time)	30 minutes
Paintable	2 – 4 hours with latex or oil-based paints, depending on humidity and temperature. Use latex primer for oil-based paints
Water Ready Time	24 hours
Return to Service Time	24 hours
Full Cure Time	3/8" bead: 3 days depending on joint depth, temperature, humidity & substrate

TECHNICAL DATA SHEET

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

Vertical Sag (ASTM D2202)	< 0.15 inches ASTM D2202 mod. 3/8" depth
Typical Cured Performance Properties	
Service Temperature Range	0°F to 160°F
Flame Spread per UL	0
Smoke Developed per UL	0
Mildew Resistance	Cured sealant is mold & mildew resistant
STC Rating	64

CLEAN UP & STORAGE

Clean up excess wet sealant with a damp sponge before it skins over. Excess dried sealant must be cut or scraped away. Clean skin and tools with warm water and soap. Store container in a cool, dry place away from extreme heat or cold.

SAFETY

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

LIMITED WARRANTY

LIMITED WARRANTY: LIMITED ONE-YEAR WARRANTY: Warranty terms available at 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 & 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.c

3/3/2025