



# Technical Bulletin

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## DAP® SMARTBOND™ Construction Adhesive Applicator Gun

- Professional-grade dispensing applicator
- Heavy-duty, ergonomic construction
- Reduces hand fatigue and allows for one-handed operation
- Precise bead control and adjustable bead sizes
- Provides easy application and maximum adhesive yield for less waste
- Non-drip, instant on/off valve tip
- Non-stick coating on key components for easy clean-up

**Packaging:** 1 Applicator Gun  
**UPC Number:** 0 70798 00046 9

### Company Identification:

Manufactured For: DAP Products Inc., 2400 Boston St., Suite 200, Baltimore, Maryland 21224  
Usage Information: DAP HELPLINE: 1-888-DAP-TIPS or [www.dap.com](http://www.dap.com) and click on "Ask the Expert".

Order Information: 800-327-3339  
Fax Number: 410-558-1068

### Product Description:

**The DAP® SMARTBOND™ Construction Adhesive Applicator Gun** is a professional-grade dispensing applicator designed for use with DAP® SMARTBOND™ Construction Adhesives to allow for easy application, excellent bead control and maximum adhesive yield. The heavy-duty, ergonomic construction reduces hand fatigue and allows for one-handed operation and precise bead control.

### Safety:

#### To reduce risk of personal injury:

- Read and understand these instructions before use. Save these instructions for further reference.
- Read and understand all labels, Safety Data Sheets and instructions on the product canister to be used with this applicator gun before use. Read and understand all additional product warnings contained on the SMARTBOND™ canister. Refer to product container for first aid instructions.
- Some foam products such as polyurethane foam may contain isocyanates such as toluene diisocyanate (TDI) and methylene diphenyl diisocyanate (MDI). Isocyanates may cause irritation to eyes, skin and lung. They may also cause sensitization by inhalation or skin contact. Individuals with lung or breathing problems such as asthma or prior reaction to isocyanates must not be exposed to vapor. Wear protective clothing, gloves and eye protection. Use only with adequate ventilation. Do not breathe vapor. Ensure fresh air entry during application and curing by opening all windows and doors and using fans or other means of ventilation.
- Some foam products may contain flammable hydrocarbon solvents as their blowing agent. These products are extremely flammable. Their vapor may ignite explosively or cause flash fire. Ensure adequate ventilation. Keep SMARTBOND™ canister 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.
- Foam products containing hydrocarbon solvents may affect the brain or nervous system causing dizziness, headache or nausea. Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage. Do not breathe vapors. Use only with adequate

ventilation. Leave work area immediately and get fresh air if you feel lightheaded and dizzy. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

- ❑ Foam containers are under pressure. Do not puncture, strike or incinerate can. Do not expose to heat or store at temperature above 120°F. Exposure to heat or prolonged exposure to sun may cause container to burst. Do not place in hot water.
- ❑ Foam products will adhere to skin and clothing if contact occurs. Avoid contact with skin and eyes. Wear protective clothing, gloves and eye protection. In case of skin contact, do not use solvents to remove product from skin. Wipe excess uncured adhesive foam off with a paper towel immediately and wash with warm, soapy water. Remove the remaining uncured residue with petroleum jelly or baby oil. If adhesive foam has cured, the exposed skin can be soaked in warm soapy water and removal may be attempted using petroleum jelly or baby oil. Any adhesive foam which remains will wear off over time.
- ❑ When cured, most foam products, including polyurethane foam, are combustible and may present a fire hazard if exposed to flame or temperatures above 240°F. Do not expose cured foam to open flames. Do not use the product around fireplaces, furnaces, heaters, lighting fixtures or in or around any application that generates heat or sparks.
- ❑ Keep all bystanders, including children, a safe distance from work area.
- ❑ Product may spray more than intended if nozzle opening is set too high.
- ❑ Apply product only to work surface. Never point applicator gun at face, any part of the body or any other person. Keep applicator gun pointed down when not in use.
- ❑ Check for tight connection between SMARTBOND™ canister and applicator gun to avoid leaks at the connection point.
- ❑ Do not put hand over applicator gun tip.
- ❑ Keep fingers off of applicator gun trigger until ready to use.
- ❑ Never leave applicator gun without completely shutting off the control knob.
- ❑ Do not use if either applicator gun or SMARTBOND™ canister is damaged or malfunctioning.

### **Instructions:**

#### **Canister Attachment:**

1. Surface must be clean, dry and free of dirt, dust and other contamination.
2. Always wear safety glasses, gloves & protective clothing during use.
3. Completely shut off applicator gun control knob.
4. Firmly screw canister onto applicator gun. Do not over tighten. Ensure threads are aligned to prevent leakage.
5. Shake can well before using & intermittently during use.
6. Adjust and set control knob for desired flow. When not in use, and to avoid accidental discharge, tighten control knob clockwise to lock trigger in place.
7. Pull trigger to release adhesive. The dispenser applicator trigger can also be used to control adhesive flow rate. The harder it is pulled the faster the rate of dispensing.
8. Apply a continuous bead to substrate, with nozzle slightly above work surface.
9. Use DAP® SMARTBOND™ Applicator Gun & Construction Adhesive Cleaner or acetone to wipe up spills and foam residue. Do not use acetone or DAP® SMARTBOND™ Applicator Gun & Construction Adhesive Cleaner to clean skin.

#### **Changing DAP® SMARTBOND™ Canister:**

1. Be sure DAP® SMARTBOND™ canister is empty and all pressure is released from canister by discharging into an appropriate waste receptacle.
2. Unscrew emptied canister while holding in applicator gun trigger being sure to point applicator gun nozzle into an appropriate waste receptacle.
3. Use DAP® SMARTBOND™ Applicator Gun & Construction Adhesive Cleaner to clean applicator gun basket of residual adhesive.
4. Immediately attach new canister of DAP® SMARTBOND™ construction adhesive to applicator following canister attachment instructions.

#### **Cleaning and Storage of DAP® SMARTBOND™ Construction Adhesive and Applicator Gun :**

Store with applicator attached to partially used adhesive canister for up to one month. If longer storage is required remove applicator from canister and clean as directed. Shelf life of DAP® SMARTBOND™

Construction Adhesive is greatly diminished once applicator gun is removed. It is not recommended to store partially used canisters without the applicator gun attached.

1. Clean applicator by removing the adhesive canister and replacing it with a can of DAP® SMARTBOND™ Applicator Gun & Construction Adhesive Cleaner.
2. Firmly screw the DAP® SMARTBOND™ Applicator Gun & Construction Adhesive Cleaner canister on to dispenser applicator. Do not over tighten. Ensure threads are aligned to prevent leakage.
3. Shake canister and discharge into a trash receptacle. Repeat 3 or 4 times or until discharge is clear and free of foam residue. Always dispose of waste in accordance with all applicable regulations.
4. Remove DAP® SMARTBOND™ Applicator Gun & Construction Adhesive Cleaner and tighten control knob clockwise for storage. The Cleaner can also be used to clean up wet adhesive foam spills and tools. Test surfaces to ensure surface is compatible with Cleaner before cleaning. Do not clean skin with Cleaner.

**For Best Results:**

Store partially used canisters on adhesive applicator gun for up to one month. DAP® SMARTBOND™ Construction Adhesive cures with reaction to moisture in the atmosphere. To prolong storage it is recommended to purge applicator weekly with a short discharge of adhesive in a waste receptacle.

**LIMITED WARRANTY:**

DAP Products Inc. warrants that this product, when used as directed, shall meet its specifications for 30 days from the date of purchase. Since methods of application and usage in the field are beyond DAP's control and could affect performance, DAP makes no other warranties, express or implied, including the warranties of Merchantability or Fitness for a Particular Use or Purpose. This warranty does not cover abuse or misuse of the product, or user's negligence. Call 1-888-DAP TIPS for warranty fulfillment. You must have your sales receipt and the product available when you call. DAP's sole liability for any breach of warranty, negligence or other claim is limited to supplying a replacement product. DAP will in no event be liable for incidental or consequential damages. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.