



# Technical Bulletin

2400 Boston Street, Suite 200, Baltimore, Maryland 21224

Phone: 410-675-2100 or 800-543-3840

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## DAP® DYNAFLEX ULTRA™ Advanced Exterior Window, Door & Siding Sealant – White & Colors

- Formulated with innovative Weather Max™ Technology for All Weather Protection
- Resists UV fading, yellowing & dirt pick-up
- Won't crack, crumble, chalk, bubble or break down
- Lifetime mold, mildew & algae resistance guarantee
- Sealant stays looking clean & new
- 1 hour rain & paint ready
- 100% waterproof & weatherproof seal
- Permanently flexible
- Strong adhesion to wide variety of common building materials
- Easy water clean-up & low odor
- Meets ASTM C920, Type S, Grade NS, Class 35
- Exterior/interior use

<b>Packaging:</b>	10.1 fluid ounces (300 mL)
<b>Colors &amp; UPC Numbers:</b>	White: 0 70798 18211 0
	Beige: 0 70798 18213 4
	Clay: 0 70798 18214 1
	Iron Gray: 0 70798 18215 8
	Dark Bronze: 0 70798 18216 5

### Company Identification:

Manufacturer: DAP Products Inc., 2400 Boston St., Baltimore, Maryland 21224  
Usage Information: Call **1-888-DAP-TIPS** or visit [dap.com](http://dap.com) & click on "Ask the Expert"  
Order Information: 800-327-3339  
Fax Number: 410-558-1068  
Also, visit the DAP website at [www.dap.com](http://www.dap.com)

### Product Description:

**DAP® DYNAFLEX ULTRA™ Advanced Sealant** for Window, Door, Siding & Trim applications is formulated with innovative Weather Max™ Technology to resist UV fading, chalking, crumbling, cracking and dirt build up. It also has a lifetime mold, mildew and algae resistance guarantee, so the sealant stays looking clean and new. DYNAFLEX ULTRA has strong adhesion to common building materials and stays permanently flexible for a long-lasting, weatherproof seal that provides All Weather Protection and stands up to the elements. It is rain ready and paintable in only one hour for better productivity. Does not bubble. The sealant guns out effortlessly and tools smoothly for easy application. Low in odor and easy water clean-up. Exterior/interior use. Meets ASTM C920, Type S, Grade NS, Class 35.

### **Suggested Uses:**

*Ideal for sealing for installation, weatherization & painting applications on:*

- *Windows*
- *Doors*
- *Siding*
- *Trim*
- *Fascia*
- *Flashing*
- *Pipes/Vents*

### **Adheres To:**

- *Fiber Cement*
- *Vinyl*
- *Aluminum*
- *Metal*
- *Glass*
- *Composite & PVC trim board*
- *Wood – Painted & Unpainted*
- *Cedar*
- *Concrete & Masonry*
- *Brick & Stone*
- *Fiberglass*
- *Most plastics*

### **For Best Results:**

- Apply in temperatures above 40°F.
- Not for continuous underwater use, high temperature surfaces or surface defects.
- Not recommended for house wraps such as Tyvek® and other fluoropolymer based substrates such as Teflon®, HDPE and similar plastics.
- Joint size should not exceed 1/2" wide by 1/2" deep. For joints deeper than 1/2", use foam backer rod material.
- Store product away from extreme heat or cold.

### **Surface Preparation & Application Instructions:**

1. Surface must be clean, dry, structurally sound and free of all old sealant, dirt, dust, debris, rust, grease, ice, snow, frost and other contamination.
2. Priming is not usually necessary; however, some circumstances or substrates may require a primer. Priming is only required if testing indicates a need or where the sealant will be subjected to constantly high levels of moisture after cure. It is the user's responsibility to test substrate compatibility and the adhesion of the cured sealant on test joint before applying to the entire project. Please contact DAP Technical Customer Service at 1-888-327-8477 for additional information.
3. Cut nozzle at 45° angle to desired bead size.
4. Load cartridge into caulk gun.
5. Fill gap with sealant. Using steady pressure, apply consistent 3/8" bead size for optimal joint protection.
6. Tool or smooth bead within 10 minutes of application with a gloved finger or smoothing tool. If masking tape is used along the sides of the joint, remove the tape immediately after tooling by pulling the tape away in a clean, smooth even line.
7. Paintable in one hour (depending on joint depth, temperature and humidity) with most latex or oil-based paints. Use a latex primer for oil-based paints.
8. Sealant reaches full performance in 72 hours.
9. Clean up excess uncured sealant with a damp cloth or sponge before it skins over, approximately 15 minutes. Scrape or cut away excess cured sealant.
10. Reseal cartridge for future use and store in cool, dry place.

*DAP recommends that you test all sealant applications under simulated or actual end use conditions to ensure the product meets or exceeds all required project specifications. Since assembly conditions may be critical to the product's performance, it is also recommended that testing be performed on specimens assembled under simulated or actual production conditions.*

**Typical Physical & Chemical Characteristics:**

Consistency:	Smooth and creamy, non-slumping paste	
Volatile:	Water	
Flash Point:	>212°F	
Bubble Resistant:	Yes	
Filler:	Calcium carbonate	
Solids:	75% by weight	
Extrusion Rate:	20 - 30g/15 seconds Burrell Extrusion	
Vertical Sag:	< .15 inches ASTM C2202 mod. 3/8" depth	
Weight per Gallon:	10.95 lbs./gallon	
Hardness Shore A:	24	C661
Tensile Strength:	> 100 psi	D412
Maximum Elongation:	>500 %	D412
Service Temperature Range:	-30°F to 160°F	
Application Temperature Range:	40°F to 100°F	
Freeze Thaw Stability:	Passes 5 Cycles	
Peel Adhesion (180° C794):	PVC Trim	17 lbs/in
	Glass	19 lbs/in
	Fiber Cement	14 lbs/in
	Aluminum	24 lbs/in
	Vinyl Siding	20 lbs/in
	Mortar	20 lbs/in

SDS: 00010329001

<b>ADHERES TO:</b>	Vinyl, Aluminum, Metal, Fiber Cement, Wood, Cedar, Concrete, Masonry, Brick, Stone, Stucco, PVC, Composite, Fiberglass, Glass
<b>SPECIFICATIONS</b>	ASTM C920, Type S, Grade NS, Class 35 Federal Spec TT-S-00230C, Type II
<b>PHYSICAL PROPERTIES</b>	
<b>Application Temp Range:</b>	40°F to 100°F
<b>Recommended Bead Size:</b>	3/8"
<b>Coverage:</b>	3/8" bead 14 linear ft.
<b>Skin Time:</b>	10 -15 minutes
<b>Tack Free Time:</b>	30 minutes
<b>Full Cure Time:</b>	7-14 days depending on joint width and depth, temperature, humidity & substrate
<b>Paint Ready Time:</b>	1 hour w/ latex or oil-based paints. Use latex-based primer for oil-based paints.
<b>Water Ready Time:</b>	1 hour
<b>Joint Movement/ Flexibility:</b>	+/-35%, Permanently flexible
<b>Mold Resistance:</b>	Lifetime Mold, Mildew & Algae Resistance Guarantee
<b>Odor:</b>	Low
<b>Clean-Up:</b>	Water
<b>VOC Content:</b>	NCCS Calif. ARB VOC <1.5% wt/wt (VOC 27 g/L)
<b>Shelf Life:</b>	12 months (Unopened/cool & dry conditions)

**Clean Up & Storage:**

Remove excess uncured sealant with a damp cloth or sponge before it dries. After the sealant has dried/cured, excess cured sealant must be cut or scraped away. Store in a cool, dry place away from extreme heat or cold.

**Safety:**

See product label or Safety Data Sheet (SDS) for additional information. For an SDS, contact your supplier or visit [dap.com](http://dap.com).

**Lifetime Mold, Mildew & Algae Resistance Guarantee:**

DAP guarantees that the product when properly applied will remain free of mold, mildew & algae during the lifetime of your home. If mold, mildew and/or algae appear when product is used as directed within one year of purchase, provide evidence of mold, mildew & algae and sales receipt to DAP Products Inc., 2400 Boston Street, Suite 200, Baltimore, MD 21224 for replacement product or sales price refund. DAP will not be liable for incidental or consequential damages.

**QUESTIONS?** Call **1-888-DAP-TIPS** or visit [dap.com](http://dap.com) & click on “Ask the Expert”.

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Baltimore, MD 21224

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