

Big Stretch®

TECHNICAL DATA SHEET

Homes move. Window frames move away from the siding or doors shift against the brick. This movement happens as the home settles as well as with temperature changes and even wind. If movement causes a sealant to crack, you can lose the air or moisture barrier in your home. That's why you need **Big Stretch®**. With powerful adhesion and extreme elasticity, it will stick, twist, bend, compress, and stretch — 530% maximum stretch — to handle most any movement your home can dish out, all without cracking.

Features & Benefits:

- ✓ Super elastic with 530% maximum stretch to move without tearing or cracking
- ✓ Powerful adhesion to a wide variety of surfaces
- ✓ Permanently flexible
- ✓ Easy to use, water cleanup
- ✓ Superb paintability, won't cause paint gloss
- ✓ Freeze-thaw stable in package
- ✓ Performs well in humid and arid climates
- ✓ Excellent UV resistance
- ✓ Dripless plunger
- ✓ Full 10.5 oz in every cartridge – more product for your money
- ✓ Nationally VOC compliant
- ✓ Spans gaps up to 2" wide with no slump

Where to Use:

Use Big Stretch on the interior and exterior to maintain the air and water control layers on:

- Windows
- Soffits
- Crown molding
- And more!
- Doors
- Vents
- Sound-proofing interior walls
- Siding
- Baseboards

Where Not to Use:

- In submersion applications
- Walking or driving surfaces

Adhesion is poor on the following substrates. A test patch is recommended:

- Kynar®
- Polyethylene
- Big Stretch clear should not be used on copper. Use colored Big Stretch, Lexel or Through the Roof! instead.
- Polypropylene
- Silicone
- Waxes



Application:

Dry Time

Full cure:

4-5 days (depending on temperature and humidity)

Paintable: 4 hours with exterior painting

1-2 days with interior paints

1 week with oil-based paints

- Flat/brittle paints have a higher likelihood of cracking over Big Stretch. They are not designed to take movement, while Big Stretch is engineered to move. Always test before painting. If necessary, apply water-based primers before caulking and painting.

Application Range

40° to 120°F (4° to 49° C)
surface temperature

Service Range

-30° to 250°F (-34° to 121°C)

- Lower temperatures and higher humidity will slow cure time. Allow 1-3 days curing before exposure to direct rainfall. Use plastic sheeting

with good airflow underneath to protect the product if rain is expected sooner.

- Natural shrinkage will give the joint a concave appearance; multiple applications may be needed to fill the joint flat.
- If dirt or oils are present on the substrate, wash with any household cleaner, rinse to remove and allow to thoroughly dry.
- Remove any old caulk, especially silicone and all silicone residue. Use a silicone remover.
- Insert backer rod into joints deeper than 1/2" to provide for proper sealant depth and a stronger, longer lasting seal.
- Choose bead size and cut the nozzle. Puncture the inner seal.
- Gun Big Stretch into the joint.
- Tool for a smoother bead using a damp foam or paint brush with a light, skimming touch, or use a beading tool.
- Minimum bead size: 1/4". For best results, use 3/8" or larger.

Storage and Clean-Up:

- Clean up tools and hands with warm water and soap.
- Leftover Big Stretch can be stored if the nozzle is tightly wrapped with plastic wrap and a rubber band.

Adheres to:

Metals

Aluminum Brass Steel
Anodized Windows

Plastics

ABS Nylon PVC Acrylic Sheet
Plexiglass Urethane Fiberglass Polycarbonate
Vinyl Lexan®*

Other Surfaces

Asphalt EIFS Stone Brick
Fiber Cement Stucco Cinder Block Tile
Formica®* Concrete Glass Wood
Corian®* Hot Melt Butyl
Drywall Mortar

*Corion®, Lexon®, Kynar®, and Formica® are registered trademarks of their respective owners.

Typical Properties

PROPERTY	VALUE
Joint Size	Maximum 2"
Coverage	32 lineal feet (with 1/4" bead)
Application Range	40°F to 120°F (4°C to 49°C) surface temperature
Service Range	-30°F to 250°F (-34°C to 121°C)
Coverage	32 lineal feet (with 1/4" bead)
Tensile Properties	Recovery at 50% stretch: 100% in 3 minutes Recovery at 100% stretch: 96% in 5 minutes
VOC	59.8 g/L, < 1.5% by weight
Shelf Life	3 years

TEST DATA:

PROPERTY	RESULTS	TEST METHOD
Durability	25% total joint movement (10 cycles @ -15°F/-26°C)	ASTM C719
Hardness, Shore A	32 (21-day cure)	ASTM C661
Slump	< 1/8"	ASTM D2202
Solids	83.8% by weight (pigmented) 61.2% by weight (clear)	ASTM C1250
Extrusion Rate	750 g/min (1/8" orifice at 40 psi)	ASTM C603
Freeze-Thaw Stability	Passes 10 cycles 0°F to 70°F (-18°C to 21°C)	ASTM C731
Low Temp. Flexibility	Pass (not artificially weathered)	ASTM C734
Tack-free	Less than 30 minutes	ASTM C679
Cured	4-5 days (dependent on temperature, humidity and bead size)	ASTM C679
STC	47 (vs unsealed wall with STC of 23)	ASTM E90
OITC	30 (vs unsealed wall with OITC of 23)	
Adhesion-in-peel Passing Substrates	See "ADHERES TO" section	ASTM C794
Perm Rating	0.53 perms	ASTM E96 (1/4" bead)

SPECIFICATIONS:

- Meets FHA requirements.
- Meets or exceeds Federal Specification:
 - TT-S-00230C
 - ASTM C834
 - ASTM C920, Type S, NS, Class 25, Use NT, M, A.
- Note: Exceeds 10% weight loss.
- Class II Vapor Barrier (at 1/4" bead)

LIMITED LIFETIME WARRANTY:

Sashco warrants this product will substantially meet published specifications on the date of sale. If it fails to do so, return unused portion with original sales receipt for replacement or refund, at Sashco's sole option. These are purchaser's sole and exclusive remedies for any breach of warranty. Purchaser must determine suitability of product for purchaser's specific needs and assumes all risk associated with its use. Sashco will not be liable for direct or indirect damages. The data reported here are believed to be reliable. No warranty is made concerning their accuracy or the results obtained from their use. Keep out of reach of children.

Description	Item #	Description	Item #
 10.5 OZ. White	10016	 10.5 OZ. Tan	10014
 10.5 OZ. Clear	10006	 10.5 OZ. Redwood	10012
 10.5 OZ. Gray	10010	 10.5 OZ. Dark Brown	10008
 10.5 OZ. Slate Gray	10026	 10.5 OZ. Woodtone	10018
 10.5 OZ. Sandstone	10080	 10.5 OZ. Steel Blue	10082
 10.5 OZ. Charcoal Gray	10084	 10.5 OZ. Black	10004
 10.5 OZ. Almond	10002		

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