



Description

PRO STRETCH™ is a one component, high performance, gun-grade, Acrylic Urethane Elastomeric Sealant. Formulated from premium technology, reduces dirt pickup, eliminates yellowing and shiners. Internally plasticized resin requires no mixing or priming to bond to most materials, including concrete, wood and masonry.

PRO STRETCH™ offers superior adhesion and durability, 50% total joint movement and 800% elongation. **PRO STRETCH™** is safe for UV exposure, will not discolor and forms an airtight, water resistant seal, once cured the bead is mildew resistant.

Performance Characteristics:

- Exceeds ASTM C-920, Grade NS, Class 25
- Exceeds ASTM C-834, Type OP, Grade -18°C
- Exceeds Fed. Spec TTS-00230C, Type II, Class A

Uses

Caulks and Seals:

- Expansion Joints Up to 1 1/2"
- Siding: Wood, Vinyl, Aluminum
- Surfaces - Cement, Concrete, Hardboard
- Trim
- Curtain Wall Construction
- Stucco
- Panel Walls
- Precast Units
- Window & Door Installation
- Fascia
- Parapets

Priming

Pro Stretch™ is generally considered a non-priming sealant. It is the user's responsibility to check the adhesion of the cured sealant on typical test joints at the project site before and during application. Consult Technical Services for additional information.

Limitations

Not intended for under water use.. Not for use on food contact areas. Keep from freezing

Surface Preparation

Surfaces to be caulked must be dry and free of all dirt, dust, oil, mildew, loose paint, old caulk or other contaminates. Bare surfaces should be primed before caulking. Only apply when sealant, surface and air temperatures are above 40° F and rising. Do not apply on surfaces that exceed 120°F, or when rain is expected.

Application

Pro Stretch™ comes ready to use. U-shaped joints should have the proper size backer rod or bond breaker tape installed to prevent 3 point adhesion. The sealant must reach deepest point of the joint. Remove excess with a clean rag and water. Tooling the joint flush with a putty knife is recommended. Tooling results in the correct bead shape, a neat joint, and maximum adhesion. 90° joints can be tooled smooth with a moistened rag to a minimum bead size of 3/8".

CERTIFICATION & TESTING:

| Property | Pro Stretch |
|-----------------------|--------------|
| Type | Ac U |
| Claims | Class 25 |
| Tensile Properties | Cured Sample |
| Property | |
| Maximum Stress (psi) | 152 ± 5 |
| Elongation to Break | 1000% ± 44 |
| Elongation Max Stress | 892% ± 10 |
| Performance Test | Result |
| ASTM-C920 CLASS 25 | Pass |
| TTS-00230 | Pass |

NOTES:

Dry adhesion after fully curing sealant, as required by ASTM test protocol.

| Property | Pro Stretch |
|--------------------------------|--------------------|
| Dry Peel Adhesion | ASTM C-794 (pli) |
| Aluminum | 32-42 |
| Glass | 39-45 |
| Cement | 8 |
| WetPeelAdhesion | ASTMC-794(pli) |
| Aluminum | 20-28 |
| Glass | 25-2 |
| Cement | 14-24 |
| Channel Slump ASTM C-639 | 0 mm |
| Tack-Free Time ASTM C-679 | 60 mins |
| Shore A Hardness | 15 ± 2 |
| Formulation Characteristics | |
| Extrusion Rate | 15 g/sec |
| pH | < 8.3 |
| Flex (180° bend, 1/2" mandrel) | ASTM C-793 PASS |
| After 250 hours WOM -15° F | Pass |
| ± 25% Joint Movement | ASTM C-719 |
| Aluminum | Pass |
| Glass | Pass |
| Cement | Pass |
| AAMA Testing | Result |
| AAMA 808.3 | Pass |

| | |
|-------------------------|--|
| Tooling Time | Tack Free Time: 60 minutes at standard conditions, paint can be applied after 4-6 hours. Please note that the cure of Pro Stretch varies with temperature and humidity. Lower temperatures and/or higher humidity will extend curing times, in such cases painting should be delayed until the sealant has time to cure. |
| Clean-Up/Removal | Clean all equipment with warm, soapy water immediately after use. Remove cured sealant by cutting with a sharp-edged tool. Remove thin films by abrading. |
| Disposal | Contains organic solvents which may cause adverse effects to the environment if disposed of improperly. Contact your local sanitation department or household hazardous waste coordinator for information concerning possible reuse or disposal of unused solvent-containing adhesives and/or sealants. All material must be disposed in accordance with Federal, State, and Local Regulations. |
| Limited Warranty | LIMITED WARRANTY: The Manufacture warrants that this product, provided it is properly stored and applied, will never crack, peel, or separate. If a failure occurs, return proof of purchase for replacement. Manufacturer shall not be held liable for damages in excess of the purchase price. This is the sole and exclusive remedy and liability for defects or failure of this product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESSED OR IMPLIED; INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS. |
| Sizes | Standard 10.1 fl oz.(300 ml) cartridge - 12 cartridges per carton <ul style="list-style-type: none"> • 20 fl oz. Sausages – Call for availability • 5 gallons pails; available - Special order only • For color availability in bulk packaging contact Customer Service. • Custom colors are available in 250 Gallon batches (3,000 tubes) contact Customer Service |
| Colors | White, Clear, Off White, Limestone, Tan, Stone, Aluminum Gray, Redwood Tan, Bronze, Almond, Pine Green, Woodtone and Redwood |

Caution

Do not take internally.

WARNING! CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. CONTAINS ETHYLENE GLYCOL WHICH CAN CAUSE SEVERE KIDNEY DAMAGE WHEN INGESTED AND HAS BEEN SHOWN TO CAUSE BIRTH DEFECTS IN LABORATORY ANIMALS. POTENTIAL CANCER HAZARD. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.

NOTICE: This product contains solvents. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. For emergency information call ChemTrec at 800-424-9300. For additional safety information, refer to the Material Safety Data Sheet for this product. Obtain professional advice before using. Close container after each use.

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Material Safety Data Sheets (MSDS) available upon request. Similar information for solvents and other chemicals used with ALLPRO products should be obtained from your supplier(s). When solvents are used, proper safety precautions must be observed.

FIRST AID: In case of skin contact, wash off quickly with plenty of soap and water, remove contaminated clothing. For eye contact flush eyes immediately with large quantities of water, for at least 15 minutes. Obtain emergency medical treatment. If swallowed, obtain medical treatment immediately. DO NOT INDUCE VOMITING. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, get medical help.

Manufactured For:
ALLPRO® Corporation
Brandon, FL. 33511

Note: The information, ratings and opinions stated above pertain to the material currently offered and represent the results of tests and calculations believed to be reliable.

Technical Information

Packaging: Standard packaging - 10.1 fluid ounce plastic cartridges

Data below for White: AP13000

Physical & Chemical Characteristics:

Vehicle: Proprietary Urethane/Modified Acrylic Blend (Siliconized)

Solids: Approximately 70%

VOC Content: Non-Chemically Curing Compound <1.5%
Less Exempt Solvents

Weight per Gallon: 9.3 ± 0.5

Service Temp: -40°F to 180°F Application Range: 40°F and rising.

Max Temp Application: Air temp 95° and substrate less than 120°F

Freeze Thaw Stability: Passes 5 Cycles@ 0°F
(Cycle=16hrs. @ 0°F, 8hrs at 75°F)

Dynamic Joint Movement: Approximately + - 25%

Flash Point: Not Applicable

Consistency: 10 to 25 G/S @ 75°F (SEMCO Gun at 50psi)

Applications: Interior / Exterior

Warranty: Lifetime Performance

Shelf Life: 24 months when stored at 50°F to 80°F

Coverage: 10.1 fl oz = 53 linear ft. at a 3/16" bead

Odor: Mild Sweet Acrylic

Tooling Time: 15 Minutes

Tack Free Time: 60 Minutes

Full Cure: 7-14 Days – cure time @ 75° F (24°C)
50% relative humidity- joint size 1/2" X 1/4"

Clean-Up: Soap & Water

Analysis:

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|----------------------------|-------------|
| Acrylic Polymer | Proprietary |
| White Mineral Oil | 8024-47-5 |
| Mineral Spirits | 8052-41-3 |
| Calcium Carbonate | 471-34-1 |
| Ethylene Glycol | 107-21-1 |
| Quartz (SiO2) | 14808-60-7 |
| Contents Partially Unknown | |