COMMERCIAL STRETCH
Fluid-Applied Membrane Waterproofing

PRODUCT NAME
Commercial Stretch
VOC: 525 g/L

MANUFACTURER
Polyguard Products, Inc.
Ennis, TX 75119
(214) 515-5000
www.polyguard.com

PRODUCT DESCRIPTION

BASIC USES
Commercial Stretch is designed for waterproofing concrete, precast concrete, CMU foundation walls, and other structural surfaces on the hydro positive-side. When redundant protection is desired, a hydro positive-side application of Commercial Stretch coupled with a hydro negative-side application of PRO 1000 is suggested.

PRODUCT FEATURES
• Factory-controlled, single component product ensures consistency.
• Mold will not find a food source in the Commercial Stretch membrane, which thereby contributes to the overall mold management within a wall system.
• When a repair or stop point is established, wet product can later be applied to clean and cured product creating a continuous system without seams.
• Minimal set-up and close-down procedures for spray applications adds productive time for spraying, quick adjustments in job sequencing, and where jobsite movement is required.
• Application in ambient temperatures between -20°F (-29°C) and 120°F (49°C) reduces project rescheduling due to weather related conditions.
• After application, it is not affected by immediate or subsequent exposure to rain.

COMPOSITION & MATERIALS
Commercial Stretch is a patented, single component, cold liquid-applied, elastomeric, thermoplastic rubber coating and mastic that cures to form a durable waterproofing membrane capable of bridging substrate shrinkage cracks up to 1/16-inch.

Available with VOC content choice of 100, 200, and 525 g/L.

TECHNICAL DATA
See properties table below.

INSTALLATION

SURFACE PREPARATION
Note: When using Detail Sealant PW™ as filler to be covered by Commercial Stretch, allow a minimum 1 hour to skin over before covering, adding additional time for lower ambient and surface temperatures. Cure time is less than an hour at 75°F (24°C) and 50% RH.

Commercial Stretch dries to an average thickness of 30 mils, but coverage rates will vary inversely related to the

Product Data Sheet
Per regulations of all states, excluding California

Prepare substrates to be dry; clean of dirt and debris; and free of mortar smears, form release agents, and frost/ice. For maximum results, provide cured substrates with a minimum 175 PSI pull-off strength.

Poured Concrete Wall Preparation:
Before coating, allow 24 hours for drying and start said time measurement after bleed water has drained from the wall (longer dry time will be needed for lower than 50°F/10°C ambient temperatures). Remove form ties from the inside and outside faces of the wall and fill each tie depression flush with Detail Sealant PW or non-shrinking Portland cement grout, installed per manufacturer's instructions. Allow Detail Sealant PW™ a minimum of 1 hour to skin over before covering, adding additional time for lower ambient and surface temperatures. Fill honeycombed concrete with non-shrinking Portland cement grout, installed per manufacturer's instructions, and allow said application to cure before coating.

Concrete Masonry Wall Preparation:
Leave CMU walls un-parged. Strike mortar joints full and flush to the face of the CMU. Grout or fill mortar voids with Detail Sealant PW, mortar, or non-shrinking Portland cement grout installed per manufacturer’s instructions. Allow mortars and grouts 12 - 48 hours to dry before coating. Mortar or grout-filled cores, bond beams, and rain-soaked uncovered walls hold substantially more water and will require added time to dry before coating. When in doubt about the acceptable dryness of a wall, apply a 60 mil coating onto a 2’ x 2’ wall area and allow the coating to dry. Proceed with coating the wall if the dry sample coating sticks to the wall surface. Allow more drying time if the dry sample coating doesn't stick to the wall. Repeat as necessary.

Submit precast and control joint designs to Polyguard for approval and prior to commencing work.

PRIMING
No primer is needed. For best results, apply Commercial Stretch directly to sound concrete or CMU.

MEMBRANE APPLICATION
Apply Commercial Stretch and related accessory products over poured concrete and CMU substrate walls that have cured for a minimum three days. Provide the substrate surfaces as dry; clean of dirt and debris; and free of mortar smears, form release agents, and frost/ice.

Apply Commercial Stretch and related accessory products in ambient temperatures between -20°F (-29°C) and 120°F (49°C); as one coat or more; by sprayer, roller, or brush to achieve a continuous film at the desired coverage rate of 27 square feet per gallon (60 wet mils). For application with an airless sprayer, use 3700-to-4000 PSI stall pressure and a 0.037-inch reversible spray tip.

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Flammable Liquid and vapor. DO NOT SMOKE while mixing or applying product. Ensure there are no open flames and/or spark generating sources on project while mixing or applying the product.

**PRECAUTIONS:**
Install in a well-ventilated open area. Take safety precautions and wear appropriate safety gear for the application of solvent-based coatings (i.e. gloves, eye protection, respirator, ventilation, etc.) according to Federal, State and local governing regulations. Harmful if inhaled. Can cause eye and skin irritation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor, or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment and non-sparking tools. All trucks, barrels and spray equipment shall be properly grounded and bonded. A working fire extinguisher, type ABC, shall be available onsite in both the mixing and work areas. Prior to use and mixing, review the Safety Data Sheet for proper protective equipment and additional health, environmental and safety precautions.

**STORAGE:**
This product is a solvent based product and special care must be taken during storage, handling and use. Protect containers from water, sparks, flames, excessive heat, and poor ventilation. Store/keep product out of direct sunlight and in ambient temperatures between 100°F (23°C) and 100°F (38°C). For best application results, store in ambient temperatures above 50°F (11°C). Store in original container; lid securely closed, and with all markings & labeling in tack. Follow all Federal, State and local governing regulations.

**SAFETY**
SDS documents for all Polyguard products can be obtained at our website [www.polyguard.com](http://www.polyguard.com). Call Polyguard Products, Inc. at (214) 515-5000 with questions.

**WARRANTY**
We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product are beyond our control; such as weather, workmanship, equipment utilized and prior condition of the substrate. We will replace at no charge product proved to be defective within twelve (12) months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. A five (5) year material or system warranty may be available upon request. Contact Polyguard Products, Inc. for further details.

**TECHNICAL SERVICES**
Technical assistance, information and Polyguard’s products are available through a nationwide network of distributors and architectural representatives, or contact Polyguard Products, Inc.
P.O. Box 755, Ennis, TX 75120-0755
Sales: (615) 217-6061•Tech Support: (214) 515-5000
Email: archtech@polyguard.com
Website: [www.polyguard.com](http://www.polyguard.com)
<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>TYPICAL VALUE</th>
</tr>
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<tbody>
<tr>
<td>COLOR</td>
<td></td>
<td>Gray</td>
</tr>
<tr>
<td>SERVICE TEMPERATURE RANGE</td>
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<td>-25°F to 185°F</td>
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<tr>
<td>PERMEANCE TO WATER VAPOR TRANSMISSION</td>
<td>ASTM E 96</td>
<td>0.058 Perms</td>
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<tr>
<td>MEMBRANE HYDROSTATIC PRESSURE RESISTANCE</td>
<td>ASTM D 5385</td>
<td>231 l.</td>
</tr>
<tr>
<td>PEEL ADHESION</td>
<td>ASTM D 903</td>
<td>7.05</td>
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<tr>
<td>TENSILE STRENGTH</td>
<td>ASTM D 412 Modified Die C</td>
<td>378 PSI</td>
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<tr>
<td>ELONGATION</td>
<td>ASTM D 412 Modified Die C</td>
<td>515%</td>
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<td>HARDNESS, SHORE A</td>
<td>ASTM D 2240</td>
<td>60</td>
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<tr>
<td>ADHESION</td>
<td>ASTM D 4541</td>
<td>135 ± PSI Average</td>
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<tr>
<td>HYDROSTATIC PRESSURE OVER CRACKS, POURED CEMENT AND POURED MASONERY</td>
<td>ASTM C 1306</td>
<td>11 PSI</td>
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<tr>
<td>LOW-TEMPERATURE FLEXIBILITY AND CRACK BRIDGING</td>
<td>ASTM C 836 Section 6.7</td>
<td>Pass</td>
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<tr>
<td>REMAINS IN PLACE DURING APPLICATION, POURED CEMENT AND MASONERY</td>
<td>ASTM C 836 Section 6.9</td>
<td>Pass</td>
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<tr>
<td>ADHESION STRENGTH TO POURED CONCRETE</td>
<td>ASTM C 836 Section 6.10</td>
<td>7.551 lbf/in.</td>
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<tr>
<td>EXTENSIBILITY AFTER HEAT AGING</td>
<td>ASTM C 836 Section 6.12</td>
<td>No Cracking or tearing of membrane</td>
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<tr>
<td>RESISTANCE TO WATER</td>
<td>ASTM D 2939 Section 15</td>
<td>No Blistering or Re-emulsification</td>
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<td>COLD, LIQUID-APPLIED, BELOW-GRADE, EXTERIOR DAMPPROOFING AND WATERPROOFING MATERIALS</td>
<td>ICC-ESAC 29</td>
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<tr>
<td>CATEGORY 40 CFR 809.401 “WATERPROOFING SEALERS AND TREATMENTS”</td>
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<td>525 g/L VOC Also available in other VOC options</td>
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<thead>
<tr>
<th>PACKAGING</th>
<th>PART NUMBER</th>
<th>UNIT SIZE</th>
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<tbody>
<tr>
<td>COMMERCIAL STRETCH</td>
<td>STRETCH GRAY 05</td>
<td>5-gallon pail</td>
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<tr>
<td></td>
<td>STRETCH GRAY 55</td>
<td>55-gallon drum</td>
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**Commercial Stretch Accessories:**

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<tr>
<th>DETAIL SEALANT PW™</th>
<th>DETAIL SEALANT PW – SAU 20 OZ</th>
<th>20 sausages/ctn</th>
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<tr>
<td>DETAIL SEALANT PW™</td>
<td>DETAIL SEALANT PW – 3 GAL</td>
<td>3-gallon pail</td>
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<tr>
<td>POLYFLOW® 10</td>
<td>POLYFLOW10</td>
<td>4’ x 50’ roll</td>
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<tr>
<td>POLYFLOW® 10P</td>
<td>POLYFLOW10P</td>
<td>4’ x 50’ roll</td>
</tr>
<tr>
<td>POLYFLOW® 15</td>
<td>POLYFLOW15</td>
<td>4’ x 50’ roll</td>
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<tr>
<td>POLYFLOW® 15P</td>
<td>POLYFLOW15P</td>
<td>4’ x 50’ roll</td>
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<tr>
<td>TOTALFLOW™</td>
<td>TOTAL FLOW</td>
<td>24’ x 50’ roll</td>
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<tr>
<td>TOTALFLOW™ END OUTLET (4”)</td>
<td>OUTLET4-UNIV</td>
<td>N/A</td>
</tr>
<tr>
<td>TOTALFLOW™ TEE OUTLET (4”)</td>
<td>TEE4-UNIV</td>
<td>N/A</td>
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<tr>
<td>QUICK GRIP SPRAY ADHESIVE</td>
<td>QGADH30</td>
<td>30# canister</td>
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Common Polyguard® Commercial Stretch Membrane Applications
These diagrams are not intended to be application instructions, simply illustrations.

Foundation Wall and Footer
- Concrete foundation wall
- Commercial Stretch waterproofing membrane
- Polyflow 15 drainage board
- Quick Grip adhesive
- Insulation
- Totalflow High-Capacity drainage board
- Waterstop

Foundation Wall Penetration
- Polyflow 15 drainage board
- Insulation
- Quick Grip adhesive
- Urethane injection insulation
- Penetrating item
- Detail Sealant PW
- Commercial Stretch waterproofing membrane
- Concrete foundation wall
- Backfill

Foundation Wall Corner Details
- Backfill
- Polyflow 15 drainage board
- Insulation
- Quick Grip adhesive
- Commercial Stretch waterproofing
- Concrete foundation wall

Please Note: Not intended to be full details. For full application detail on these configurations, see Polyguard details CS2, CS5, CS6, or contact Polyguard Products.

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