



Home Stretch™ Liquid Waterproofing

Fluid Applied Waterproofing Membrane

Product Information Sheet

Poly Wall® Building Solutions is an innovator of high quality, cost effective, engineered building materials. We stand behind our brand promise — Moisture and Air Stop Here.® Visit our website at www.poly-wall.com for the full array of product offerings.

DESCRIPTION

Home Stretch™ Liquid Waterproofing is a elastomeric coating which cures to form a durable waterproofing membrane capable of bridging cracks up to 1/16th of an inch. Home Stretch Liquid is designed for waterproofing below-grade foundation wall surfaces like concrete, precast concrete, CMU and other vertical surfaces where positive-side hydrostatic pressure may be present. When used with Poly Wall's Polyflow 10 and Blue Barrier Joint Filler 2200 Home Stretch Liquid Waterproofing provides a complete below-grade waterproofing system.

ADVANTAGES

- Simple to install using a roller, power roller or airless sprayer.
- No primer required, install directly over clean and dry poured concrete, CMU or precast vertical walls.
- Touch-up applications of Home Stretch Liquid waterproofing membrane can be easily completed after the membrane has dried/cured. New membrane will properly bond to existing membrane.
- Home Stretch Liquid membrane does not provide a food source for biological growth, such as mold.
- Can be installed in both cold (0°F and rising) and hot (up to 120°F) temperatures.
- Fluid-applied materials offer embedded adhesion into the substrate surface versus sheet-applied material which typically offer only surface adhesion properties.
- Covers hard to get to corners, transitions and footers more easily than sheet membrane products.

WHY USE POLY WALL® HOME STRETCH WATERPROOFING?

- 60+ years of successful waterproofing experience.
- Wide temperature application range (0° F - 120° F) can limit weather related project delays and improve productivity.
- Superior durability, puncture resistance and tensile strength.
- Complete line of complementary products to confidently complete your project.
- Poly Wall is an employee owned company, where employees expect more of themselves and the company.

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 on-site in both 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.

INSTALLATION

The sequence of installation is:

- Foundation substrate must be clean, dry and clear of dirt, debris, frost, smears and concrete form release agents. Allow substrate to cure for a minimum of 3 days prior to the waterproofing system installation.
- Detail cracks inside/outside corners, changes in plane and other cold joints and irregularities with Poly Wall® Blue Barrier™ 2200 and tool for adhesive bond and to provide a flush surface.
- Apply Home Stretch Liquid membrane and related accessory products in ambient temperatures between 0° F (-18° 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 SF / Gal (60 mils wet). For application with an airless sprayer, use 3700-4000 PSI pressure and a 0.037-inch reversible spray tip. For roller applications, a 3/8" or 3/4" nap cover is recommended. Coverage rate will vary inversely related to the concrete or concrete block (CMU) texture and porosity. Allow the application a minimum 24 hours to dry/cure.
- Install Polyflow® 10, or protective board provided by others.
- Backfill in a non-destructive manner.
- Clean airless sprayer equipment and other tools with xylene (or similar solvent).



WARNING

- 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.

LIMITATIONS

- Do not use on ICF's utilizing rigid plastic foam insulation. (For ICF's try our Home Stretch ICF Sheet Waterproofing)
- Cover within 30 days of waterproofing coating installation.
- Wear appropriate safety gear for application of solvent based coatings, (i.e. gloves, eye protection, respirator, ventilation, etc.)
- Prohibit flames, sparks, welding or smoking during installation.
- Do not use Home Stretch Liquid membrane as a waterproofing solution where potable water will be stored/ available.
- Do not use Home Stretch Liquid membrane on the interior side/ face of walls due to negative-side hydrostatic pressure.
- This product is not intended to be shipped or used in the States of California, Connecticut, Delaware, Maryland, or Rhode Island. The use of these products must be according to Federal, State and local governing regulations.
- Do not expose to temperatures above the upper service temperature limit of 150°F (65°C).
- Not designed or recommended as an above-grade membrane.
- Not designed or recommended as a capillary break between the footer and foundation wall.

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 10° 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 intact.
- Follow all Federal, State and local governing regulations.

SCAN HERE FOR INFORMATION ON HOME STRETCH WATERPROOFING SHEET MEMBRANES FOR ICF FOUNDATION WALL SYSTEMS.



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LIMITED WARRANTY: Poly Wall Building Solutions will replace F.O.B. Ennis, TX, any material with manufacturing defects which cause leaks for a period of 1 year from date of purchase. Poly Wall Building Solutions will not be liable for any other claims or damages, whether direct or indirect, including consequential damages or incidental damages.

Home Stretch Liquid

	TEST METHOD	TYPICAL VALUE
Permeance to Water Vapor Transmission	ASTM E 96	0.058 Perms
Membrane Hydrostatic Pressure Resistance	ASTM D 5385	231 ft.
Peel Adhesion	ASTM D 903	7.05 lbs./inch
Tensile Strength	ASTM D 412 Modified Die C	378 PSI
Adhesion	ASTM D 4541	135 + PSI Average
Hydrostatic Pressure Over Cracks, Poured Cement and Poured Masonry	ASTM C 1306	11 PSI
Low-Temperature Flexibility and Crack Bridging	ASTM C 836 Section 6.7	Pass
Remains in Place During Application, Poured Cement and Masonry	ASTM C 836 Section 6.9	Pass
Adhesion Strength to Poured Concrete	ASTM C 836 Section 6.10	7.551 lbf/in.
Extensibility After Heat Aging	ASTM C 836 Section 6.12	No Cracking or Tearing of Membrane
Resistance to Water	ASTM D 2939 Section 15	No Blistering or Re-emulsification
Antifungal Activity Mildew and Rot Resistance (Proban)	AATCC METHOD 30	No Visible Growth on any Film
Cold, Liquid-Applied, Below-Grade, Exterior Dampproofing and Waterproofing Materials	ICC-ES AC 29	Pass
Category 1 40 C.F.R. 59.401 "Waterproofing Sealers and Treatments"		525 G/L VOC Also available in other VOC options

SIZE	PART NUMBER
5 Gallon Pail	PWWS.LW.5



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INSTALLATION GUIDELINES FOR POLY WALL® HOME STRETCH™ LIQUID WATERPROOFING ON POURED CONCRETE & CMU FOUNDATION WALLS

The installation guidelines provided below are not intended to be full and complete application instructions.

For full Home Stretch Liquid Waterproofing application instructions scan here.



STEP 1 - Clean & Prepare

- Provide clean, dry frost-free structural substrate without dirt, debris, ice, mortar smears and form release agents.
- Allow foundation wall substrate to cure for a minimum of 3 days prior to detail treatment and coating application.

STEP 2 - Use 2200 Joint Filler

- Fill the depressions and wall irregularities in poured foundation wall concrete and mortar voids in CMU with Poly Wall Blue Barrier Joint Filler 2200 to provide a flush substrate surface for Home Stretch Liquid to be applied.
- If applicable apply 3/4-inch tooled bead of Poly Wall Blue Barrier 2200 Joint Filler at intersection of vertical wall and footer.

STEP 3 - Install

- Apply Home Stretch Liquid waterproofing at 60 mils wet (27 SF / GAL) via airless sprayer with minimum 3700 - 4000 PSI stall pressure, or apply with a hand roller or hand brush. For roller applications, a 3/8" or 3/4" nap cover is recommended. Coverage rates will vary inversely related to the concrete or concrete block (CMU) texture and porosity.
- Allow minimum 24 hours to dry/cure.
- Install Polyflow® 10, or protective board provided by others. Home Stretch Liquid membrane surfaces should be dry and free of stones and dirt prior to drainboard / protection board installation. Hold the selected board in-place against the membrane by backfilling against the selected board in lifts, or by adhering board directly to the membrane with the Poly Wall Quick Grip Adhesive. When adhering the Polyflow® 10, use spot adhesion only rather than full adhesion, to protect the membrane in the event of backfill settlement exerting downward pressure. With spot adhesion, the board will be allowed to detach from the membrane and slip downwards to relieve stress on the membrane.
- Backfill in a non-destructive manner.

SCAN HERE FOR INFORMATION ON Polyflow® 10

