

P2ZE-WALL-ST

Fluid Applied Vapor Permeable Water Based Water Resistive Air Barrier



PATH 2 ZERO ENERGY

DESCRIPTION

P2ZE-WALL-ST is a primerless, single component, high performance, elastomeric fluid applied STPU (Silyl Terminated Polyurethane) that combines the best characteristics of silicone and urethane properties for exterior wall assemblies where it functions as an air and water barrier. Applied in a single coat via airless sprayer or roller, this durable elastomeric weatherproofing membrane has excellent elasticity and crack bridging capabilities contributing to a seamless durable airtight building envelope. Excellent waterability, UV and water resistant. VOC compliant in the US. STPU chemistry allows enhanced compatibility with a diverse selection of wall components. Performs as a vertical odor containment barrier when used with odor control systems.

STORAGE AND HANDLING

Store in a cool, dry place. Keep container tightly closed when not using. Do not open container until preparation work has been completed. Do not alter or mix with other chemicals.

P2ZE-WALL-ST has a shelf life of 12 months after the date of manufacture when stored in original unopened containers at temperatures above 40°F.

Dispose of unused product and container in accordance with local, state & federal regulations.

APPLICATION

Surface Preparation: Surfaces must be dry and free of all contaminants such as oil, grease, wax, dust, corrosion, tar, asphalt, loose aggregate and frost. Precast using form release agents must be sandblasted or mechanically abraded and dust free. Best practice requires to test for compatibility and adhesion prior to full scale application.

Application: Flash all transitions, seams and penetrations with P2ZE-FLASH prior to applying P2ZE-WALL-ST. May be applied with a roller, brush or airless sprayer. Use a 3/8" nap roller over smooth surfaces and 1/2" nap roller over rough surfaces. Roller apply in a single coat at 10-16 wet mills. Porous substrates such as block may require two coats @10 wet mills each. When spray applying, back rolling is necessary to ensure there are no pinholes, voids or gaps in the membrane. Inspect for pinholes, voids or gaps and repair. Size 623 spray tip is recommended. For Rain Screen Applications apply at 25-30 wet mills. **Precautions:** Use with adequate ventilation and avoid breathing of the vapors. In closed areas, wear approved breathing apparatus, protective

Should not be used in the following applications:
Do not use on below grade applications.
Dilution or thinning with water, solvents or paint thinner is not recommended.
Do not use if rain is imminent.
Do not store material at temperatures below 25°F.

PHYSICAL PROPERTIES

Description	Results
Dry time at 14 wet mil	1 Hour
Application Temperature	≥ 10°F (-12°C) <122° (50°C)
Asphalt Compatibility AAMA 713	Pass
Tensile Strength ASTM D4 12	85
Modulus @100% Elongation, ASTM D412	>30
Elongation at Break ASTM D412	>1000%
Water Vapor Transmission ASTM E96	20 perms
Application Thickness	10-15 mil
Rain Screen Application Thickness	25-30 mil
Nail Sealability ASTM D1970, 180°	Pass
UV Resistance ASTM D4587	Pass
Crack Bridging ASTM C1305	Pass
Air Penetration of Building Materials ASTM E2178	0.00024
Wall Assembly Air Penetration Resistance ASTM E2178	0.0006 Size 623 spray tip is recommended.
Water Penetration Resistance AATCC 127	Pass
Surface Burning ASTM E84	Flame Index 5 Smoke Index 15
Percentage Solids (weight)	% 78

THEORETICAL COVERAGE RATE

Plywood - 60 - 100 sq. ft. / gallon

OSB - 50 - 90sq. ft. / gallon

CMU - 30 - 60 sq. ft. / gallon

CLEAN UP

Clean tools and spray equipment with Isopropyl or denatured alcohol right after use. Best advice on clothes is to not even try but dedicate them to liquid flashing days.

Limited Warranty

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