

HULK STPE®

MODIFIED SILICONE-POLYURETHANE WATERPROOFING COATING



PRODUCT DESCRIPTION

Hulk STPE® is a single-component, liquid-applied, fire-resistant, moisture-cure silyl-terminated polyether (STPE) waterproofing coating system. Designed to serve as an air and water-resistive barrier, it protects commercial wall systems made of concrete, mortar, masonry, and ICF foam. The coating prevents air and water leakage behind wall claddings and provides persistent adhesion to various substrates while allowing movement with high elongation properties. Its moisture-cure capability ensures adhesion to damp or green concrete.

CHARACTERISTICS / ADVANTAGES

- Fire-resistant with a Class "A" fire rating (<20 flame spread and <60 smoke).
- Moisture-cure formulation enables application to damp or green concrete.
- Rain-safe within minutes of application.
- Can be applied at ambient temperatures as low as -4°C (25°F).
- High solids content allows up to 60 mils of application in a single lift.
- Meets ASTM C836 Standard for High Solids Content, Cold Liquid Applied Elastomeric Waterproofing Membranes.
- Fast curing reduces construction sequencing time by shortening backfill wait times.

USES

- Waterproofing for below-grade foundations and above-ground construction when heavy humidity or moisture is present.
- Protective coating for waterproofing planter boxes, plaza decks, and split-slab applications.
- Sealing foundations and backfilled walls.
- Use on concrete, masonry, brick, siding, metal, stucco, and ICF foam.

PRODUCT INFORMATION

ATTRIBUTE	VALUE
Packaging	Single-component: 5-gallon (19 L) pail or 55-gallon (200 L) drum
Appearance/Color	Black, White, Gray
Coverage Rate	60-80 ft ² /gallon for 20 mil wet film thickness
Shelf Life	12 months (sealed)
Storage Conditions	Store dry at 40°-95°F (4°-35°C). Protect opened containers with a plastic liner to slow cure rate.
Cleaning	Use alcohol or water-free solvents (e.g., xylene) before hardening.

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TECHNICAL DATA

PROPERTY	TEST DESCRIPTION	RESULT
Application Temperature	N/A	>-4°C (25°F)
Layer Thickness	N/A	20 mils minimum
Recoat Time	@ 70°F (20°C)	2 hours minimum
Skin Formation Time	@ 70°F (20°C)	35-90 minutes
Cure in Depth	@ 70°F (20°C)	1.5-4.0 mm/day
Adhesion to Concrete/Wood	ASTM D4138	>1000 psi
Elongation	ASTM D412	200-300%
Fire Control	ASTM E84	Class A
Water Permeability	ASTM E96 Wet Cup	>1 perms/inch
Freeze-Thaw Resistance	ASTM E2484	No cracking/crazing or erosion

APPLICATION INSTRUCTIONS

Surface Preparation

- Ensure substrates are clean, dry, sound, and free from grease or contaminants.
- Fill voids and gaps in concrete or blocks and treat joints with a minimum of 60 mils of product for a smooth monolithic surface.

Application

- Treat cracks and corners with a 30-mil detail coat. Extend coverage a minimum of 3 inches (7.6 cm) on both sides of the corner or crack.
- Apply with a trowel, roller, or spray equipment, ensuring a continuous, downward water drainage plane.
- For ICF: Inspect for defects and prepare gaps over 1/16 inch (1.6 mm) with low-expansion spray foam. Attach drainage panels with coarse thread screws.

Limitations

Do not apply below recommended temperatures or for underwater applications. Follow all manufacturer instructions for optimal performance.

DISCLAIMER

Hulk Systems Inc. ensures the quality and performance of Hulk STPE® when used according to guidelines. While the product is designed to deliver consistent results, outcomes may vary based on specific site conditions and application methods.

Liability is limited to the replacement of the product or a refund of the purchase price in the rare case of a defect. Hulk Systems Inc. excludes coverage for labor costs, consequential damages, or improper application. For optimal results, users should adhere to all preparation and application instructions provided.

For more information, visit: www.hulkssystem.com