

SilTite S790



PRODUCT DESCRIPTION

SilTite S790 is a high-solids, non-shrinking, moisture cure silicone mastic formulated for long-term sealing and repair across a wide range of building substrates. Solvent-free with minimal odor, it cures without emitting acidic byproducts, making it safe for use on sensitive metals and coated surfaces. **SilTite S790** may be applied to damp surfaces and offers excellent adhesion to concrete, masonry, vinyl, fiberglass, fiber cement, SPF, EPDM, aged acrylic coatings, granular cap sheet, wood, metals, Kynar®, and most common building materials.

RECOMMENDED USES

SilTite S790 is ideal for flashing penetrations, curbs, drains, and terminations; sealing seams, laps, and fasteners on metal roofing and wall panels; and repairing splits, blisters, and damaged areas on existing membranes. It is also the recommended prep mastic prior to application of SilTite silicone roof coatings. TPO substrates require a compatible primer.

PRODUCT DATA

Physical Property	Typical Value	Test Method
Viscosity (high shear)	400,000 cps	ASTM D 2196
Solids by Weight	98%	ASTM D 1644*
Solids by Volume	97%	ASTM D 2697*
Weight Per Gallon	11.4 lbs	ASTM D 1147
Slump	No Sag	ASTM C 2202
Tensile Strength	200 psi	ASTM D 2370
Elongation	500%	ASTM D 2370
Tear Strength	29 lbf/in	ASTM D 624
Hardness - Shore A	26	ASTM C 2240
Movement	+/-25%	ASTM C 719
Tack Free	1 Hour	ASTM C 679
Flash Point	None	ASTM D 56
VOC	< 25 g/l	EPA 24

*Typical physical properties +/- 5%.

PACKAGING/SHIPPING

CONTAINER SIZE
2 Gallon pail

SHIPPING CLASS
Class 70

SURFACE PREPARATION

General: The substrate must be dry and free of dust, dirt, oil, loose granules, peeling coatings, and other contaminants before application. Power washing and priming may be required to ensure proper adhesion.

SHELF LIFE

Store in the original unopened container for up to 24 months from the manufacture date.

COLOR OPTIONS

White and Black.

APPLICATION

Surfaces to be sealed must be clean and dry. Apply **SilTite S790** with a trowel or 4-inch double-wide chip brush at a minimum thickness of 3/16 inch, tapering the edges of the application. **SilTite S790** is immediately weather resistant.

EQUIPMENT



Brush
Synthetic filament

COVERAGE RATE

Coverage rate depends on application method and substrate. Contact IPS for project-specific guidance.

LIMITATIONS

Surface must be clean and dry. Do not apply over wet substrates or when inclement weather is imminent. **SilTite S790** is not recommended for cryogenic tanks, cold storage roofing without a vapor barrier, or directly over modified bitumen, or asphalt without a primer.

SAFE PRACTICES

This product is for professional installation only. Before use, read and understand all available information on its risks, proper use, and handling. Sources include but are not limited to SDS and product labels.

Additional resources are available at sprayips.com, or by contacting IPS directly.

ENVIRONMENTAL CONDITIONS

Product must not be applied when the ambient temperature is below 40°F. Application is not recommended if rain or dew is likely to occur before product dries.

CLEAN UP

Clean tools and equipment with mineral spirits immediately after use. Observe all safety precautions when handling combustible solvents.

STORAGE

Store **SilTite S790** between 40°F and 95°F, out of direct sunlight. Do not heat, thin, or allow to freeze. Prolonged exposure to high temperatures or high humidity will shorten shelf life.

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