

## SMARTFLASH® ONE

ONE-PART LIQUID APPLIED FLASHING & REPAIR RESIN

### Product Information



**Product Use:** SmartFlash® ONE is a one-part seamless, durable, liquid-applied polyurethane bitumen waterproofing resin. It is designed for flashing new or existing penetrations and construction details within low-slope modified bitumen and/or built-up-roofing (BUR) roof systems. SmartFlash ONE is also a durable, long-term repair solution for flashings or cracks within a steep slope asphalt shingle roof. SmartFlash ONE is engineered for an excellent bond to a variety of roofing substrates including bituminous membranes, concrete, wood, sanded/abraded rigid PVC pipe and metal. When adhering to metal a small scale (2" x 2") adhesion test is recommended. Some metal is manufactured with an oily release agent on the surface; this shall be removed with a solvent-based cleaner prior to an adhesion test. A minimum 2 lbs. per lineal foot of force shall be required to peel SmartFlash ONE/polyester reinforcement from the metal surface. For guidance, please contact CertainTeed Technical Services Department. SmartFlash ONE is not approved for use on substrates not listed here.

**Precautions:** SmartFlash ONE may be applied when the ambient temperature is 40°F-95°F (5°C - 35°C).

**Product Composition and Features:** A seamless, monolithic flashing is created in the field by combining the SmartFlash ONE polyurethane bitumen resin with SmartFlash polyester reinforcement fabric. Unused resin may be stored for future use.

	Flash Pack	1 Gallon	5 Gallon
<b>Weight (lb.)</b>	16 (7.3 kg)	9 (4 kg)	44 (19.9 kg)
<b>Nominal Yield/Coverage</b>	17 sq. ft. <sup>1</sup>	17 sq. ft. (2 m <sup>2</sup> ) <sup>1</sup>	83 sq. ft. (8 m <sup>2</sup> ) <sup>1</sup>
<b>Thickness (Dry)</b>	78 - 88 mils <sup>1</sup>		
<b>Pot Life</b>	>2 hours at 68°F (20°C)		
<b>Dry Time (Wait Time to Top Coat)</b>	2 hours at 68°F (20°C)		
<b>Dry Time (Rainproof)</b>	2-12 hours at 68°F (20°C)		
<b>Cure Time</b>	3 days at 68°F (20°C)		

<sup>1</sup>Assumes three layers, 30 wet mils per layer

**Storage:** Store containers in a cool, well-ventilated area, out of direct sunlight and away from humidity, heat and ignition sources. Store in temperature range of 32-95 F° (0 to 35C°). Keep storage areas clear of combustible materials. No smoking near storage area. Tightly seal all partially used containers. Product shelf life is one year.

### Physical Properties

Test Description	Test Method	Results*
<b>Peak Load, psi (mPa):</b>	ASTM D412	368 (2.5)
<b>Elongation at Peak Load, %:</b>	ASTM D412	67.2
<b>Tear Resistance, lbf:</b>	ASTM D903	23.0
<b>Water Vapor Transmission, perms:</b>	ASTM D1653	11
<b>Shore A Hardness:</b>	ASTM D2240	74
<b>Low Temperature Flexibility, °F (°C):</b>	ASTM D5147	-15 (-26)

\*Data is represented by average values, unless noted otherwise.

### Product Application

#### Application:

- Wear protective latex gloves during application. Resin adheres to skin and is difficult to remove.
- Apply when the ambient temperature is 40°F and rising
- Apply with a brush, roller or squeegee
- Do not dilute or thin.

Prepare substrate to ensure the surface is free of debris, moisture or contaminants. Apply resin at a rate of two (2) gallons per 100 ft<sup>2</sup> or 30 wet mils thick. Primer is not required. Immediately embed polyester reinforcement into wet resin. NOTE: For repair applications, center polyester over crack and exceeding the crack or hole by 3" on all sides. Saturate polyester reinforcement at a rate of two (2) gallons per 100 ft<sup>2</sup>, or 30 wet mils, ensuring



**Product Application  
(cont'd)**

that the polyester reinforcement is completely embedded and covered. Allow to dry. Apply a finish application of resin at a rate of two (2) gallons per 100 ft<sup>2</sup> or 30 wet mils. If granular aesthetic is desired, broadcast granules into the finish coat before the surface forms a skin.

**Technical Assistance  
and Services**

**Clean-Up:** Clean tools using petroleum solvents such as mineral spirits. Cured resin may be disposed of in standard landfills.

CertainTeed provides technical assistance in the product selection, specification and application guidelines for all CertainTeed commercial roof systems. Field representatives are available for consultation in each region.

For more information, contact CertainTeed Commercial Roofing Technical Services at 800-396-8134 ext. 2 or [rpg@saint-gobain.com](mailto:rpg@saint-gobain.com)



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