

Capseal 800 Roofing Mastic Sealer



Celebrating Over 40 Years of Quality



Capseal 800, Davlin's most popular product, is still widely considered the industry's premier asphalt sealer.

Capseal 800 is a specially formulated, highly flexible, acrylic modified waterborne emulsion used to seal asphalt on parapet walls, flashing, and repair details.

- Seals in the asphalt preventing it from spreading over the sides of the building
- Locks in the black asphalt while permitting the solvents in the asphalt to escape slowly
- Prolongs life of asphalt protecting it from U.V. degradation
- Excellent waterproofing characteristics
- Can be applied immediately while asphalt is fresh
- Lower installation and material costs and lower life cycle costs
- Costs less per linear foot than metal caps
- Easier and faster to install than metal caps
- Eliminates risk of repainting where oxidized asphalt has bled over the parapet onto the sides of the building
- Water-base for easy clean-up and low odor

Capseal 800 is designed to be applied directly over freshly applied asphalt on parapet wall caps, sides, flashing, and repair details. It prevents the black asphalt from bleeding through and prolongs its life.

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made in the USA
designed by Davlin in California

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Properties / Specifications

Tensile strength¹: 2400 psi
Tensile elongation (break)²: 1400%
Low temperature tensile elongation (0°C)³: 600%
Moisture vapor transmission⁴: 1.2 perms @ 20 mils DFT
Peel adhesion, concrete⁵: 48 psi
Viscosity⁶: 120-135 KU
Solids by volume⁷: 60% (min)
Impact resistance⁸: >60 in-lb
Salt-spray resistance⁹: no rusting
Alkali resistance¹⁰: no effect
Fungus resistance¹¹: no growth
Heat stability¹²: no change
Resistance to wind-driven rain >100 mph¹³: no wt. gain
Resistance to ponded water: no film degradation
Accelerated weathering @5000 hrs¹⁴: no chalking, no sheen loss, no degradation, no discoloration
Curing mechanism: Air Dry
Coats: 1
Dry film thickness (DFT) per coat: 8-12.5 mils
Recommended total DFT: 16-25 mils
VOC: 75 g/L
Flash point (SETA): >215°F

Note: All tests performed represent minimum standards. Unless otherwise stated and specified, all samples were spray applied, allowed to air dry for 1 year and tested at 23°F (73°F).

- 1 ASTM D2370, 1 in./min.
- 2 ASTM D2370, 1 in./min.
- 3 ASTM D2370, 1 in./min.
- 4 ASTM E96, Proc. B
- 5 ASTM D413
- 6 ASTM D562
- 7 by application
- 8 Fed. Std. 141 [6226]
- 9 ASTM D1654
- 10 Fed. Spec TT-C-555B, GSA ex. 1
- 11 Fed. Std. 141 [6271], note 2
- 12 Fed. Std. 141 [6051]
- 13 Fed. Spec TT-C-555B, 4.4.7 min. 95 mph req.
- 14 ASTM D822

Application Procedure

Do not apply Capseal 800 over oxidized asphalt - Apply only over freshly applied asphalt.

- Brush Application:** Apply Capseal by brush at a rate not to exceed 75 square feet per gallon. Extend Capseal at exterior edges a minimum of 1 inch beyond asphalt. Do not thin. Clean with water.
- Spray Application:** Flush all equipment with water before use. Do not thin with water. Spray apply a wet coat in even, parallel passes. Overlap each pass 50 percent to avoid holidays, bare areas and pinholes. If required, follow with a cross spray at right angles to first pass. Apply at a rate not to exceed 75 square feet per gallon. Extend Capseal at exterior edges a minimum of 1 inch beyond asphalt. On rough surfaces, back roll first coat to ensure that coating is pushed deep into surface. Clean equipment with water or water and detergent immediately after use.

Drying time: dry hard in 1 hour @75°F, 50% relative humidity.

Limitations: Do not apply Capseal 800 when surface temperature is below 50°F. When surface or air temperature exceeds 100°F, consult Davlin for special application procedures. Do not apply during, or 24 hours preceding, inclement weather including rain, fog, mist or freezing temperatures. Do not apply directly to contaminated, damaged or powdery surfaces. Do not apply to any surface previously coated with a silicone water repellent or other type of release or curing agent. Do not apply when a vapor barrier is required. Do not apply on exterior below-grade surfaces. Capseal 800 will freeze and become unstable at temperatures below 32°F. Do not ship or store in any area where freezing may occur. Do not apply over water-saturated surfaces. Do not apply over surfaces contaminated with materials which can act as release agents. Do not apply over surface which contains bacteria, mold or mildew.

Application Equipment: The following is a guide; suitable equipment from other manufacturers may be used. Changes in pressure and tip size may be needed for proper spray characteristics.

- Airless:** Standard equipment such as Graco Bulldog Hydra Spray 30 or 45:1 pump with a 0.025 - 0.031 inch fluid tip.
- Conventional:** Industrial equipment such as Binks II: I Saturn pump or equivalent with air control cut-off, a material hose 3/4 inch ID minimum and an air hose 1/2 inch ID and 50-75 p.s.i. air pressure minimum. Heavy mastic spray gun such as Binks 7E2 with 1/4 inch fluid tip or larger and slotted nozzle.
- Brush or Roller:** Suitable for waterborne coating. Multiple coats may be required to achieve specified DFT. Roller nap will vary according to texture of substrate and thickness of coat.

The information, ratings and opinions stated above are, to the best of our knowledge, accurate, representing the results of laboratory and field evaluation. It is presented in good faith to assist the user in determining whether our products are suitable for his application. Since the user's application and other requirements are not known by us or are beyond our control, no warranty or guarantee as to results is hereby made or implied by Davlin Coatings, Inc.