



Sunshield™ Clean Coat 3800

Creates a durable, ultra-reflective clean top coat over existing building surfaces

"The Davlin 3800 top coat keeps its shine for years because dirt, algae and industrial contaminants do not cling to it as is the case with other top coat products."

Vincent Corbett Jr.
IRCC Apprenticeship Roofing Instructor

Works Great Over:

Roofs

- Acrylastic UltraRoof™ 510
- Acrylastic UltraRoof™ 900
- Acrylastic Capseal™ 800
- Directly Over Capsheet
- Mineral Surface Built-Up Roof
- Granulated Asphaltic Surfaces
- Low Reflectance Acrylics
- Primed Asphaltic Surfaces
- Tile, Concrete and Pavers

Walls

- Acrylastic 490 and 490 TC

Decks

- Acrylastic 600
- Primed Tile, Concrete and Pavers

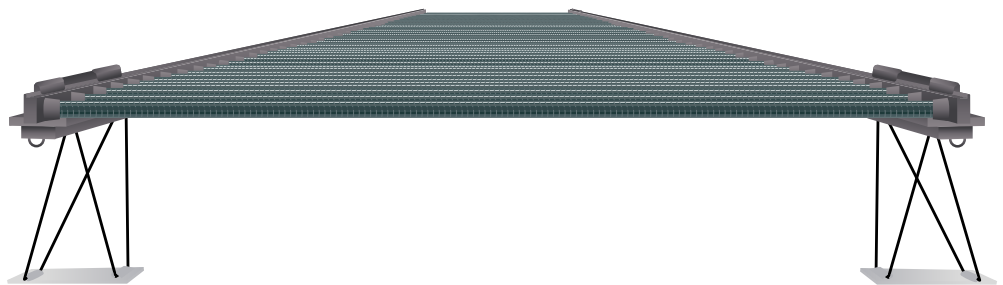
The Acrylastic System Creates a Permanent, Liquid-Applied Roof

- Seamless
- Fully Adhered
- Watertight

When Sunshield 3800 is sprayed over UltraRoof 510 or UltraRoof 900, the Acrylastic system achieves the highest tensile strength, adhesion, and elongation for superior waterproofing. Due to its light weight, the system can be applied over existing roofs without having to tear them off. In addition, the system's exceptional high solar reflectance will reduce thermal-mechanical stress and cooling loads.

Dramatically Reduces Cooling Costs
Maximizes Solar Panel Power Production
Guaranteed Long-Term Clean Appearance

Ultra-Reflective for Solar Panels



Sunshield Clean Coat 3800 is ultra-reflective in the 300-1200nm CIGS Photovoltaic (PV) spectrum. At the same time, the 3800's pigments safely absorb over 80% of the sun's UV, reflecting less than 20% upward. This reduces UV exposure to solar photovoltaic hardware, and may slow degradation. The Sunshield 3800 was specifically engineered to

be dirt resistant and durable, at the lowest cost per square foot and per Watt-peak. Sunshield 3800 is highly resistant to microbial growth and requires few anti-microbial additives. By comparison, other coatings require massive amounts of biocide, which leach out and become ineffective within 3-5 years. **CIGS Reflectance:** 98% Initial and 94% Settled.

Save Money

- Light Weight—**Install Over the Existing Roof**
- Blocks UV—**Stop Roof Deterioration**
- Cures Fast—**Complete the Job Faster**
- More Reflectance—**Cool Roof at the Lowest Cost**
- Considered Maintenance—**Write-Off Coating This Year**

SunShield 3800 has better coverage than other white coatings because it contains more reflective pigment. During the spray application, the 3800 cures quickly, allowing faster job completion.

Save Money with Tax Credits The IRS offers tax credits for reflective coating energy savings and solar power generation. Consult your tax expert for details.

Preserving a Landmark

Today, Sunshield 3800 is used not only on roofs, walls and decks, but also each roof of San Francisco's Cable Cars, which are designated National Historic Landmarks.



Protect the Environment

- Few Anti-microbial Additives—**Keep Runoff Clean**
- No Solvents, Low VOC—**Avoid Harmful Fumes**
- Non-Toxic—**Preserve Building Health**

Sunshield 3800 is water-based for easy cleanup and low odor. It contains low VOCs to keep the air healthier for people to breathe. Because of its hardness, Sunshield 3800 requires few anti-microbial agents. Also, Davlin products contain NO zinc additives and have a low erosion rate, which contributes to cleaner wastewater in our streams, rivers, lakes, and bays.



Earth Friendly Solutions
for over forty years

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made in **USA**
designed by Davlin in **California**

Sunshield 3800 Sunshield 3800 is a pure 100% acrylic emulsion latex coating that creates a hard, abrasion-resistant film that is flexible enough to allow the coating to move with an elastomeric undercoat. Sunshield 3800 is designed to be an ultra-durable top coat over masonry, stucco, concrete, dry wall, and properly primed metal and wood. It is also designed for use over elastomeric roof, wall, and deck coatings, as well as asphalt shingles and mineral surface cap sheets. Because of its hardness, it is recommended as a top coat over elastomeric coatings, which tend to pick up dirt. Its hardness also better resists mildew growth.

Sunshield 3800 has a higher spray coverage than other acrylics, for the lowest material cost. This coverage rate is possible because Davlin adds five times the levels of reflective Titanium Dioxide pigment, compared to typical white coatings. Originally created as a tennis court coating, the 3800 is highly durable and UV resilient.

Caution: Sunshield 3800 has extremely high sunlight reflectance. Wear tinted sunglasses that filter out ultraviolet light when servicing highly reflective roof surfaces. Roofing and solar technicians should wear appropriate clothing and sunscreen to protect skin from the sun, including skin exposed to reflected light from below.

Specifications

Property	Test Method	Result at 75°F
Tukon Hardness		1.2
Volatile Organic Compounds	US EPA Reference Method 24	<50 g/l
Flash Point	SETA	>215°F
Viscosity (Stormer K.U.)	ASTM D562	70-80 KU
Solids by Volume	ASTM D2597	40% +/- 2
Solids by Weight	ASTM D2369	54% +/- 2
Dry Film Thickness (DFT)		6.4 mils @100 ft ² /gal
Recommended System DFT		3-10 mils top coat
Components		1
Curing Mechanism		Air Dry
Clean Up		Water
Shelf Life		1 year if properly stored
Weight		11 lbs/gal
Packaging		1, 5, 55, 275 gal
Availability		Shipped Nationally & Internationally
Drying time to re-coat		1-2 hours dry hard@70°F (21°C)
Application Temperature Air and Surface		50-100°F, 10-38°C
Color		White, Grey, Beige or Custom

Solar Reflectance Properties

Property	Test Method	Result
Solar Reflectance (White)	ASTM E903	0.88
Thermal Emittance	ASTM C1371	0.90
3-Year SRI	ASTM E1980	105
CIGS Reflectance (White)	ASTM E903	98%
3-Year CIGS Reflectance (White)	ASTM E903, CRRC 3-Year Reflectance, Calculated	93%
Dirt Pickup Resistance	CRRC 3-Year Reflectance	95%

Installation: Do not use Sunshield 3800 on surfaces subject to hot tires, or that are constantly under water. Do not apply during—nor 24 hours preceding—inclement weather including rain, fog, mist, or freezing temperatures. Do not use unless the air and surface temperatures are above 50°F and will remain at or above that temperature for at least 4 hours after completion of application. Keep material from freezing. Flush all equipment with water before use. Stir Sunshield 3800 thoroughly until uniformly blended, but avoid excessive mixing to prevent air entrapment. Thinning is not recommended.


Spray or Roller application: Apply a wet coat in even, parallel passes, overlapping each pass 50 percent to avoid holidays, bare areas, and pinholes. Drying time at 75°F and 50% Relative Humidity is 1-2 hours to dry hard, and 2 weeks until full cure.

Equipment: Clean equipment with water or water/detergent immediately after use. 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 Series 600. Tip sizes from 0.018 - 0.021.

Conventional: Industrial equipment such as DeVilbiss, MBC, or JGA spray gun. Separate air and fluid pressure regulators and a moisture and oil trap in the main air supply lines are recommended.

Brush/Roller: Suitable for waterborne coating. All surfaces should be clean, free from dirt, release agents, wax, mildew, and all other contaminants, including salt deposits.

	Solar Reflectance	Initial 0.88	Weathered 0.84
	Thermal Emittance	0.90	0.84
	Rated Product ID Number	0002	
	Licensed Seller ID Number	0780	
	Classification	Production Line	
<p>Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p>			

Out of 2,200 products rated by the Cool Roof Rating Council, the Sunshield Clean Coat 3800 has the second highest reflective index (3-year SRI), because it stays so clean. Contractors love it because they no longer hear customer complaints about dirty roofs.



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