Acrylastic 600 Deck Coating

***Acrylastic* 600 is a durable, water-base, single component, highly elastic water and weather resistant deck coating. The *Acrylastic* 600 system is based on superior tech-nology that has a proven track record since 1983. Davlin's proprietary formulation ensures complete UV stability and long-standing weather-ability.**

High Performance Elastomeric Waterproof Deck Coating

Low cost, high quality: requires no fiberglass or metal reinforcing membrane, reducing installation costs
Extremely tough, resists tearing when stretched
Superior flexibility and elongation at 400%
Greater protection against cracks
Low water vapor transmission and won't allow water in liquid form to pass
High solids, low shrinkage
Resistant to alkali, salt, ozone, acid rain and U.V.
Easy application with airless, conventional air, roller or brush
Water-base for easy clean-up and low odor
Meets all California VOC requirements

Acrylastic 600 is designed for use as a water resistant elastic coating and can be applied to properly primed wood, concrete, asphalt, metal and other masonry surfaces. Its exceptional adhesion makes it especially suitable for:

- Residential patios and decks
- Hotel or condo patios, decks, and stairways
- Decks over parking garages
- Decks on boats and house boat roof decks
- Bleachers and concrete arenas

Davlin Coatings LLC
700 Allston Way
Berkeley Ca 94710 USA
(800) 709-5919
www.davlincoatings.com

made in the USA
designed by Davlin in California

Acrylastic 600 is part of

Davlin's Complete Deck System

Seamless · Watertight · Fully Adhered

Butylseal 572 Primer*
Acrylastic 600 Deck Coating
Sunshield 3800 Top Coat

Featured in Davlin's *SureTred* Deck Kit
Full application system in one box
Primer, Base, Topcoat · SureTred Granules · Caulking
Seam Tape · Brush and Roller · And More

*For asphalt decks, use *Ultraroof* 900 Primer

Acrylastic 600 Deck Coating

Properties / Specifications

Tensile strength[1]: 1000 psi
Tensile elongation (break)[2]: 400%
Moisture vapor transmission[3]: 1.4 perms @ 20 mils DFT
Adhesion, concrete, 500 psi (Elcometer): concrete cohesive failure
Solids by volume[4]: 51% (min)
Solids by weight[5]: 60% (min)
Impact resistance[6]: >60 in-lb
Salt-spray resistance[7]: no rusting
Alkali resistance[8]: no effect
Heat Stability[9]: no viscosity change
Shore A hardness[10]: 84
Resistance to wind-driven rain > 100 mph[11]: no wt. gain
Resistance to ponded water: no blisters, no film degradation
Color: White or Custom Colors
Curing mechanism: Air Dry
Coats: 2-3
Dry film thickness (DFT) per coat: 10 mils
Recommended total DFT: 20-30 mils
Coverage per coat per 100 sq. ft: 1-1 1/2 gallons
VOC: <50 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° C (73°F).

1 ASTM D2370, 1 in./min.
2 ASTM D2370, 1 in./min.
3 ASTM E96, Proc. B
4 ASTM D2597
5 ASTM D2369
6 Fed. Std. 141 [6226]
7 ASTM D1654
8 TI-C-555B, GSA ex. 1
9 Fed. Std. 141 [6051]
10 ASTM D2240
11 Fed. Spec TI-C-555B, 4.4.7 min. 95 mph req.

Limitations: Do not apply *Acrylastic* 600 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. *Acrylastic* 600 will freeze and become unstable at temperatures below 32°F. Do not ship or store in any area where freezing may occur. *Acrylastic* 600 loses much of its flexibility when the temperature drops below 35°F. Do not use on flexible substrates subject to freezing and heavy traffic. Do not use *Acrylastic* 600 as a heavy auto traffic deck system. Leaves and needles left in water ponded areas may damage coating.

Surface Preparation: All surfaces shall be clean, free from dirt, release agents, wax, mildew and all other contaminants, including salt deposits. Remove all old loose paint. All porous surfaces shall first be primed with Davlin's *Butylseal* 572 including wood, concrete, masonry and slightly chalky substrates. Prime asphalt with *Acrylastic* 900. Metal surfaces shall first be primed with a suitable metal primer.
•*Non-structural cracks greater than 1/32 of an inch* should be routed out to a minimum 1/4 inch deep. The routed joint shall then be flushed with water to remove grinding dust. Apply a coat of *Acryflex* 1210 or similar elastomeric caulk 2" either side of crack. Embed 4" polyester tape into wet coating allow to dry. If cracks cannot be routed still apply tape, but embed into *Acrylastic* 600. Allow to dry.
•*Non-structural cracks smaller than 1/32 of an inch* shall receive an initial coat of *Acrylastic* 600 by brush, applying coating over crack extending 2" to each side. Tape is optional. Allow to dry.
•*For structural cracks and expansion joints,* consult Davlin.

Application Instructions: Flush all equipment with water before use. Stir *Acrylastic* 600 thoroughly until uniformly blended. Avoid excessive mixing to prevent air entrapment. Thinning is not recommended.
•*Spray application:* Apply a wet coat in even, parallel passes, overlapping each pass 50 percent to avoid holidays, bare areas and pinholes. Cross spray at right angles to first pass. Porous concrete will require more than one pass.
•*Roller application:* Apply a wet coat in even, parallel passes, overlapping each pass 50 percent to avoid holidays, bare areas and pinholes. Cross roll at right angles to first pass. On rough surfaces, back roll first coat to ensure that coating is pushed deep into surface.
Spray or roll second coat at right angle to first. Clean equipment with water or water and detergent immediately after use.
Drying time to re-coat @70°F (21°C): minimum dry through time 4-8 hours

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 0.021-0.025 inch fluid tip.
•*Conventional:* Industrial equipment such as Binks 11:1 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.