

PRODUCT INFORMATION

ACRYLASTIC 600

Color :	White or Custom Colors
Components :	1
Curing Mechanism :	Air Dry
Coats :	3-2
Dry Film Thickness (DFT) per coat :	10 mils
Recommended total DFT :	30-20 mils
Coverage per coat per 100 sq. ft. :	1.25 gallons
VOC :	75 g/l
Flash Point (SETA) :	> 215 ° F
Packaging :	1,5, Gal.
Availability :	Shipped Nationally & Internationally
Tensile strength, p.s.i. : <small>(ASTM D2370 .1 in./min.)</small>	1000
Tensile elongation % at break : <small>(ASTM D2370 .1 in./min.)</small>	400
Moisture vapor transmission, perms : <small>@20 mils DFT (ASTM E96, Proc. B)</small>	1.4
Adhesion, concrete p.s.i. : <small>(Elcometer) : concrete cohesive failure</small>	500
Solids, % minimum by volume : <small>(ASTM D2597)</small>	51
Solids, % minimum by weight : <small>(ASTM D2369)</small>	60
Impact resistance : <small>(Fed. Std. 141 [6226])</small>	> 60 in-lb
Salt-spray resistance : <small>(ASTM D1654)</small>	no rusting
Alkali resistance : <small>(TT-C-555B, GSA ex. 1)</small>	no effect
Heat Stability : <small>(Fed. Std. 141 [6051])</small>	no viscosity change
Shore A hardness : <small>(ASTM D2240)</small>	84
Resistance to wind-driven rain >100 mph : <small>(Fed. Spec TT-C-555B, 4.4.7 min. 95 mph req.)</small>	no wt. Gain
Resistance to ponded water :	no blisters, no film degradation

APPLICATION SYSTEM

Primer/Sealer (wood, concrete) :	Butylseal 572
Primer (asphalt) :	Acrylastic 900
Base Coat :	Acrylastic 600
Top Coat :	Sunshield 3800

APPLICATION CONDITION

Temperature air and surface : 45° - 100°F, 7° - 38°C, |
Do not apply at temperatures below 45°F nor during, or 24 hours preceding, inclement weather: including rain, fog, mist, or freezing temperatures.

APPLICATION EQUIPMENT

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. Use a 3/4 inch nap roller.

APPLICATION PROCEDURE

| 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, overlap 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, overlap each pass 50 percent to avoid holidays, bare areas and pinholes. Cross roll at right angles to first pass.

| Drying time to re-coat @70°F (21°C)

Minimum : dry through (3-8 hours) |

Maximum : none |

| 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.

WARRANTY INFORMATION

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 LLC.

CORPORATE OFFICES

Davlin Coatings LLC: 700 Allston Way, Berkeley, CA 94710
Phone: (800)709-5919, (510)848-2863 Fax: (510)848-1464
Internet: www.davlincoatings.com, Email: sales@davlincoatings.com



Since 1968

600

ACRYLASTIC

HIGH-PERFORMANCE
ELASTOMERIC

WATERPROOF
DECK COATING

SYSTEM DESCRIPTION

ACRYLASTIC 600 is an extremely durable, water-based, single component, highly flexible, water and weather proof deck coating system. The Acrylastic 600 system is based on superior technology that has a proven track record since 1983. Davlin's proprietary formulation ensures complete U.V. stability and long-standing weatherability.

SYSTEM USES

ACRYLASTIC 600 is designed for use as waterproof elastic coating for decks, patios, balconies, terraces, stairs, sidewalks and bleachers. It has superior adhesion and can be applied to properly primed wood, concrete, asphalt, metal and other masonry surfaces. It is especially recommended for:

- | Residential Patios, Decks and Stairways
- | Hotel or Condo Patios, Decks and Stairways
- | Walking Decks over Parking Garages
- | Decks on Boats and House Boat Roof Decks
- | Bleachers and Concrete Arenas
- | Under Thinset with Tile overlayment (Call Davlin for details)

SYSTEM ADVANTAGES

- | **Low cost high quality system**
 - | Less Acrylastic 600 does more than other deck coatings
- | **Easy to apply, requires no fiberglass or metal reinforcing membrane**
 - | Reduces installation costs
 - | Perfect for the do-it-yourselfer or contractor
- | **Extremely tough, has high tensile strength at 1000 p.s.i.**
 - | Resists tearing when stretched
- | **Superior flexibility and elongation at 400%**
 - | Greater protection against cracks
- | **Superior waterproofing, has very low water vapor transmission**
 - | Won't allow water in liquid form to pass
- | Highly resistant to alkali, salt, ozone, acid rain, U.V.
- | Water-base for easy cleanup and low odor
- | High solids therefore low shrinkage, allows it to bridge hairline cracks
- | Easy application with airless, conventional air, roller or brush
- | Meets all VOC requirements
- | Has a proven track record since 1983
- | Non-flammable in its liquid state and will not support a flame when cured



MATERIALS NEEDED

100 Sq. Ft. = 1 Roofing Square (SQ)

_____ Sq. Ft. / 100 = _____ SQs
(Total Sq.Ft. of Roof/Deck) divided by 100 = Roofing Squares)

Primer/Sealer:

Butylseal 572 Sealer | .4 x # of SQs = # of gallons (round up)
Coverage is 1 gallon per 250 sq. ft. (For Wood, Concrete & Pre-coated Decks)
Number of Coats = 1

Acrylastic Asphal 900 | 1 x # of SQs = # of gallons (round up)
Coverage is 1 gallon per 100 sq. ft. (For Asphalt Roof/Decks)
Number of Coats = 1

Deck Coating:

Acrylastic 600 | 2.5 * x # of SQs = # of gallons (round up)
Coverage is 1 gallon per 80 sq. ft. per coat
Number of Coats = 2-3*
Total Material = 2.5-3.75* gallons per 100 square feet
***Note:** A 3rd coat of Acrylastic 600 is needed in areas that pond water. Use 3.75 x # of SQs to determine amount of Acrylastic 600 in ponded areas.

Top Coat:

Sunshield 3800 | .4 x # of SQs = # of gallons (round up)
Coverage is 1 gallon per 250 square feet
Number of Coats = 1

Polyester Tape:

Comes in, 4" X 180' , 6" x 180' , 36" x 180'
For Plywood decks, flashing details and cracks in substrate.

Texture:

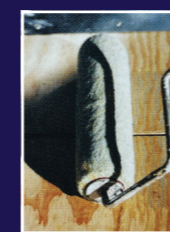
2-1 pounds of Non-Skid Additive Per Gallon of Last Coat of Deck Coating Recommended Non-Skid Additive is #30 silica sand.

1 SURFACE PREPARATION

All surfaces must be sound, clean, dry, free of dust, grease, oil, latex, and other contaminants. Test any old coating for adequate adhesion. Cut a cross hatch section of the coating like this: #. Stick a piece of duct tape firmly over that section and remove it. If any coating comes off when tape is removed the coating must be removed. Thoroughly check entire deck surface. Remember, your new coating will only adhere as well as whatever it covers adheres to the deck. Whether that is an old coating, dust or anything else. De-gloss any glossy surfaces.

2 APPLY SEALER - PRIMER

For Plywood, Concrete and Pre-Coated Decks:



Apply Butylseal 572 by brush, roller or spray at a saturation rate of 150-250 square feet per gallon depending on porosity of surface. Use enough to soak surface. Allow 1-6 hours to dry. Dry time is defined as that amount of time required for the coating to form a film to such a degree that when one's thumb is pressed firmly to the coating, none of the coating will adhere to the thumb. This is called "Rule of Thumb Test."

For Asphalt Decks: Apply 1 coat of Acrylastic 900 at a rate of 1 gallon per 100 square feet. Allow 3-8 hours to dry.

3 TREAT SEAMS - CRACKS a



Plywood: This step can be done while applying the first coat of deck coating (see Step 4). During application of first coat of deck coating whenever a seam in the plywood is encountered embed 4" polyester tape into wet coating over middle of seam. Roll another coat of Acrylastic 600 over tape. Continue to coat entire deck repeating the same step where ever there is a seam.

Concrete: Non-structural cracks greater than 1/32" should be routed out to a minimum 1/4 inch deep. The routed joint shall then be flushed with water to remove grinding dust. Let excess water dry. Fill crack with Acryflex 1210 or similar elastomeric caulk. Allow to dry. If crack cannot be routed out try to fill with caulk. Allow 6-24 hours to dry or longer for depths greater than 1/4" or if in a shady area.

Next, while applying the first coat of Acrylastic 600 (see Step 4) when a repaired area is encountered embed 4" polyester tape into wet coating over middle of crack. Roll another coat of Acrylastic 600 over tape.

Non-structural cracks smaller than 1/32 of an inch shall receive an initial coat of ACRYLASTIC 600 by brush, or roller applying coating over crack extending 3" inches to each side. Tape is optional.

Asphalt: Non-structural cracks greater than 1/32 of an inch should be filled with Acrylastic 910 mastic or similar asphalt mastic per manufactures instructions. Cracks smaller than 1/32 of an inch do not need mastic. Apply coat of Acrylastic 900 over crack extending 3" either side. Embed 4" polyester tape into wet coating and roll over tape again. Allow 3-8 hours to dry. Use "Rule of Thumb Test"

3 TREAT FLASHING AREAS b



This step can be done while applying the first coat of deck coating (see Step 4). During application of first coat of deck coating whenever flashing is encountered embed into the wet coating the 4" polyester tape 2" over flashing and 2" over substrate (see picture above.) Make sure the coating extends at least 3" into flashing and 3" onto deck. Roll another coat of Acrylastic 600 over tape. Continue coating rest of deck.

4 APPLY DECK COATING



Apply one coat of Acrylastic 600 at a rate of 1 gallon per 80 square feet or 20 wet mils. If you are unable to obtain this thickness, apply in two coats at 1 gallon per 160 square feet or 10 wet mils. Overlap each pass 50% to avoid holidays, pinholes and bare spots. If applying in 2 coats, apply 2nd coat at right angle to first. Make sure to treat seams and flashing details during the first coat (see Steps 3a, 3b.) Allow 3-8 hours to dry in between coats.

Apply another coat of Acrylastic 600 at a rate of 1 gallon per 80 square feet at a 90 degree angle to previous. If textured surface is desired, thoroughly mix non-skid additive (#30 silica sand is recommended) into Acrylastic 600 at a rate of 1-2 lbs. per gallon right before applying. Or, broadcast sand into wet coating until refusal. Allow to dry, then sweep off loose sand.



If there are areas on deck that pond water, coat those areas with an additional coat of Acrylastic 600 at a rate of 1 gallon per 80 sq. ft. prior to doing textured surface. Allow to dry.

5 APPLY TOP COAT



Apply a coat of Sunshield 3800 at an approximate rate of 1 gallon per 250 square feet. Overlap each pass 50% to avoid holidays, pinholes and bare spots.

Deck surface will be suitable for light traffic overnight under normal drying conditions. Allow 2 days to 1 week for heavy traffic, patio furniture, etc., depending on drying conditions.