



ACRYLASTIC 600

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 water resistant 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

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)

$$\frac{\text{Sq. Ft.}}{\text{(Total Sq. Ft. of Roof/Deck)}} \div 100 = \text{Roofing Squares} = \text{SQs}$$

Primer/Sealer:

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

Acrylastic Asphalt 900 $1 \times \# \text{ of SQs} = \# \text{ of gallons (round up)}$
Coverage is 1 gallon per 100 sq. ft. (For Asphalt Roof/Decks)
Number of Coats = 1

Deck Coating:

Acrylastic 600 $2.5 * x \# \text{ of SQs} = \# \text{ of gallons (round up)}$
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 $.4 \times \# \text{ of SQs} = \# \text{ of gallons (round up)}$
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:

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

STEP 1 SURFACE PREPARATION

All surfaces must be sound, clean, dry, free of dust, grease, oil, latence, rust 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.

STEP 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.

STEP 3a TREAT SEAMS - CRACKS



Plywood: Use a 9" roller to apply a coat of Acrylastic 600 over the seam. Embed 4" polyester tape into wet coating over middle of seam. Roll another coat of Acrylastic 600 over tape. Allow 3-8 hours to dry. Use "Rule of Thumb Test."

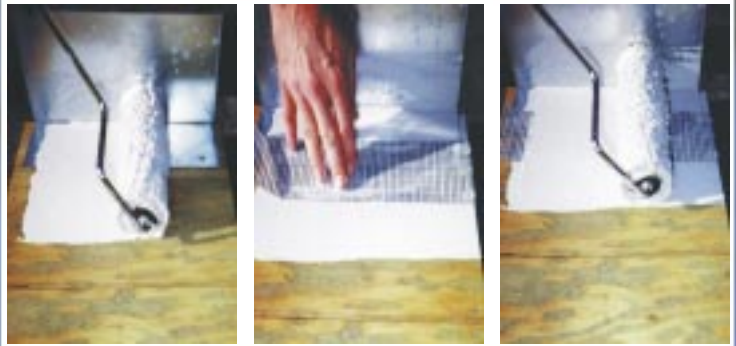
Concrete: Non-structural cracks greater than 1/32" should be routed out to a minimum 1/4 inch deep. The routed joint shall then be flushed with water to remove grinding dust. Let excess water dry. Fill crack with Acryflex 1210 or similar elastomeric caulk. Allow to dry. If crack cannot be routed out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

Use a 9" roller to apply a coat of Acrylastic 600 over the fixed crack areas. Embed 4" polyester tape into wet coating over middle of crack. Roll another coat of Acrylastic 600 over tape. Allow 3-8 hours to dry.

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."

STEP 3b TREAT FLASHING AREAS



Use a 9" roller to apply a coat of Acrylastic 600 extending at least 3" on either side of flashing edge. Embed the middle of the 4" polyester tape over flashing edge into wet coating. Roll another coat of Acrylastic 600 over tape. Allow 3-8 hours to dry.

STEP 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. 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. Overlap each pass 50% to avoid holidays, pinholes and bare spots. Allow to dry.



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

STEP 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.

PRODUCT INFORMATION

ACRYLASTIC 600

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

APPLICATION SYSTEM

Primer/Sealer (wood, concrete)	<i>Butylseal 572</i>
Primer (asphalt)	<i>Acrylactic 900</i>
Base Coat	<i>Acrylactic 600</i>
Top Coat	<i>Sunshield 3800</i>

APPLICATION CONDITIONS

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

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. Use a 3/4 inch nap roller.

APPLICATION PROCEDURE

- Flush all equipment with water before use.
- Stir Acrylactic 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, Inc.

Davlin Coatings, Inc.

P.O. Box 2308 - 700 Allston Way, Berkeley, CA 94710, U.S.A.
 (800)709-5919, (510)848-2863, Fax: (510)848-1464
www.davlincoatings.com, email: info@davlincoatings.com