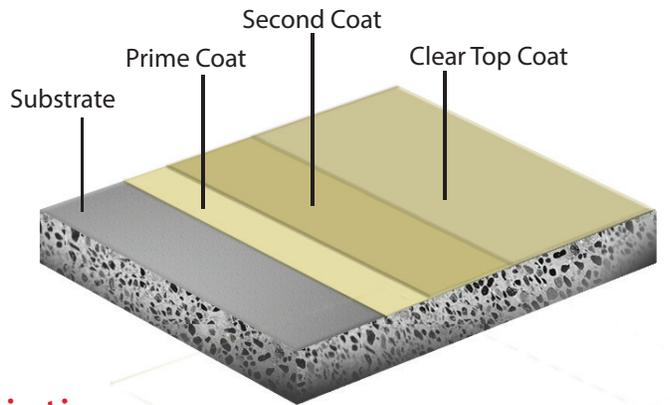




Two Coat Solid Color Solid Color Monolithic Coating System



Description

ADVACOAT Two Coat Solid Color System is a basic option when presentation and performance are required. This system can be installed in a single day, allowing minimal downtime for clients. ADVACOAT concrete coating products create a tough and durable finish with excellent wear capabilities. ADVACOAT polyaspartic coating products will create a UV stable and high gloss flooring finish. The two coat solid color flooring system is easy to clean and maintain, while providing excellent attributes that create a long lasting flooring solution.

Surface Preparation

A profile of CSP 2 is recommended for this system application. Ensure the substrate is free of contaminants, and the pores are open to allow penetration of the surface. Shot blasting is not required for proper adhesion, but a brush blast may be used to achieve a CSP 2 profile. When diamond grinding for preparation, using 40-80 grit diamonds is recommended.

Moisture Tolerance

This system requires a dry substrate. Any moisture vapor transmission test revealing over 3.5 pounds per 1000 feet/24 Hours requires a moisture barrier system installed prior to application. See ADVACOAT Moisture Lock or ACC Epoxy Moisture Block.

Application

System Specification Outline:

- 1 - (Optional) Epoxy Moisture Block - ACC EMB
- 2 - ACC 75/ACC 103/ACC WBU Coat Pigmented - Primer Coat
- 3 - ACC 75/ACC 103/ACC WBU Coat Pigmented - Top Coat
- 4 - (Optional) ACC 75/ACC 103/ACC WBU Coat Clear

System Advantages

- USDA, FDA and CFIA Acceptable
- UV Stable and Resistant
- Extremely Durable
- Long Life Expectancy
- Large Color Selection
- Chemical Resistant
- Easily Maintained
- Excellent Wear Resistance
- Antimicrobial Top Coat Option
- Matte Finish Top Coat Option
- Non Slip Top Coat Option
- Single Day Installation

Typical Applications

- Garage Floors
- Service Areas
- Show Rooms
- Production Areas
- Veterinary Clinics
- Heavy Traffic Areas
- Machine Rooms
- Warehouse Settings

Installation Instructions

Contact ADVACOAT Technical Representative Prior to installation for further instructions or details.

STEP 1 (Optional) Moisture Block

Use for substrates with moisture readings of over 4LBs per 1000Sq Ft/24 Hours. Mix 2 parts A Resin with 1 part B Hardener, by volume, into a clean container. Mix thoroughly with a low speed (400-600 rpm) drill motor/jiffy mixer for 3-4 minutes. Make sure to scrape the sides and bottom of the container during mixing. ACC EMB should be applied using a flat rubber squeegee with little pressure, or 3/16" notched squeegee with heavy pressure. Apply material at a rate of 200-250 square feet per gallon, and back roll using a 3/8" non-shedding nap roller. Coverage may vary depending upon substrate.

STEP 2 - Primer Coat (Pigmented)

Mix:

- ACC 75 - 1 Part A Side with 1 Part B Side
- ACC 103 - 1 Part A Side with 2 Part B Side
- ACC WBU - 1 Part A Side with 3 Part B Side (Pigmented)

Thinning Material:

- ACC 75 - Up to 10% Acetone or MEK
- ACC 103 - Up to 15% Acetone or MEK
- ACC WBU - 60-100% Distilled Water

Mix thoroughly with stir stick for 2 minutes making sure to scrape sides and bottom of container. Be sure to only mix quantity of material that can be spread within a 10 minute period.

Pour ribbon of mixed material onto area to be coated in a east to west direction, when pre determined exit from area is to the south. Using a 3/16" nap non shed roller, spread material north to south ensuring proper coverage of:

- ACC 75 - 300-350 Square Feet
- ACC 103 - 180-250 Square Feet
- ACC WBU - 350-450 Square Feet

Spread material should be back rolled in the opposite direction (East to West) so coating material is evenly distributed without puddles or ridges.

Allow:

- ACC 75 - 45 Minutes to 1 Hour
- ACC 103 - 1 Hour to 2 Hours
- ACC WBU - 1.5 Hours to 4 Hours

Or until tack free before moving onto Step 3.

STEP 3 - Top Coat (Pigmented)

Repeat Step 2 Instructions adhering to the following square footage spread rates:

- ACC 75 - 300-350 Square Feet
- ACC 103 - 180-250 Square Feet
- ACC WBU - 350-450 Square Feet

Allow the following dry times before moving to Step 4:

- ACC 75 - 1 Hour
- ACC 103 - 1 Hour to 2 Hours
- ACC WBU - 1.5 Hours to 4 Hours

STEP 4 - (Optional) Second Top Coat (Clear)

Repeat Step 3 Instructions and Square Footage material spread rates.

To achieve a Matte (Low Gloss) or Antimicrobial finish use ACC Water Borne Urethane specific material. Contact Advantage Chemical Coatings Representative for more information.

Coverage Rates

Step	Product	SQ Ft
Moisture Barrier	ACC EMB	160/Gal

Step	Product	SQ Ft
Primer Coat	ACC 75 Colored	300-350/Gal
Primer Coat	ACC 103 Colored	180-250/Gal
Primer Coat	ACC WBU Colored	350-450/Gal

Step	Product	SQ Ft
Top Coat	ACC 75 Colored	250-300/Gal
Top Coat	ACC 103 Colored	160-250/Gal
Top Coat	ACC WBU Colored	350-450/Gal

Step	Product	SQ Ft
Optional Top Coat	ACC 75 Clear	250-300/Gal
Optional Top Coat	ACC 103 Clear	160-250/Gal
Optional Top Coat	ACC WBU Clear	350-450/Gal

Physical Properties

Tensile strength,	ASTM D-638	3,500 - 4,000 psi
Compressive strength,	ASTM D-695	11,000 psi
Bond strength, Concrete	ASTM D-4541	400 psi Substrate Fail
Hardness, Shore D	ASTM D-2240	70-75
Flexural strength.	ASTM D-790	3,900 psi
Abrasion Resistance, CS-17 Wheel 1000 mg. 1000 cycles	ASTM D-4060	36 mg. loss
Water Absorption	ASTM D-570	0.05%
Flammability.	ASTM D-635	Self extinguishing
UV Resistance	MIL F-52505	No chalking
VOC Content		0 g/l



Primer Coat Pigmented

Maintenance

The Solid Color System is easily maintained with some simple steps.

1. Mix 4 gallons of hot water with 1 pint of ammonia.
2. Use a broom to remove any loose dirt or debris from the area.
3. Using a soft bristle deck brush, scrub the surface to remove any embedded dirt.
4. A flat squeegee may be used to move standing water. Use a wet vac to vacuum standing water and dispose.
5. Rinse area with clean water, and repeat step 4.

A floor finish maintenance system is not required for this application, but is highly recommended. Having a maintenance program will extend the life of the floor system exponentially.



Top Coat Pigmented

Additional Resources

- ACC 75 - 75% Solids Polyaspartic Product Data Sheet
 - ACC 103 - 100% Solids Polyaspartic Product Data Sheet
 - ACC 75 - 75% Solids Polyaspartic MSDS
 - ACC 103 - 100% Solids Polyaspartic MSDS
 - ACC WBU - Waterborne Urethane Product Data Sheet
 - ACC WBU - Waterborne Urethane MSDS
 - ACC EMB - Epoxy Moisture Block Product Data Sheet
 - ACC EMB - Epoxy Moisture Block MSDS
 - ADVACOAT Solid Color Specification Sheet
- www.Advacoat.com



Top Coat Clear

Optional Products

ACC Waterborne Urethane may be used as a second or third top coat in this system. Utilizing the Waterborne Urethane will add extra wear resistance, or Anti Microbial protection to the flooring system. Contact ADVACOAT for more information.