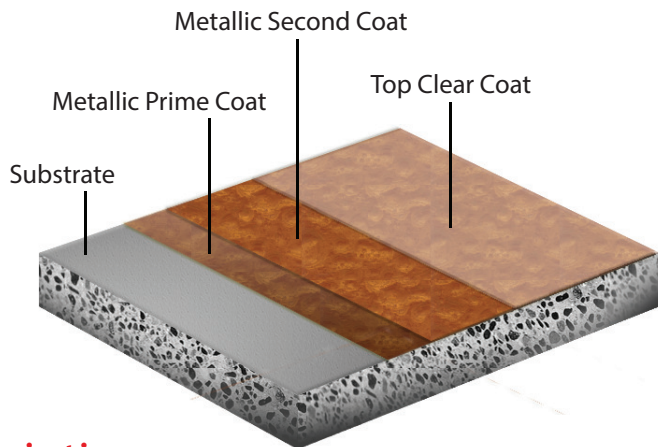




Metallic Pigmented Metallic Pigmented System



Description

ADVACOAT Metallic Pigmented System offers a different and unique look, while providing easy maintenance. A special pearlescent metallic pigment is combined with Advacoat's Polyaspartic to create an exciting atmosphere for many different areas. Due to the nature of the metal pigments, this floor coating system will have a custom outcome that cannot be replicated. With proper application and maintenance, this coating system can last forever.

Surface Preparation

A profile of CSP 2 is recommended for this system application. Ensure the surface is free of contaminants, and the pores are open to allow penetration of the substrate. Due to the thin mil application of the system, shot blasting is not recommended. Dry diamond grind is the best method for preparation, and should have a profile finish of 80-100 grit diamond blades to ensure no grind patterns are seen through the finished coating.

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 ADVA-COAT Moisture Lock or ACC Epoxy Moisture Block.

Application

System Specification Outline:

- 1 - (Optional) ACC Epoxy Moisture Block
- 2 - ACC 75 Coat Metallic Pigmented - Primer Coat
- 3 - ACC 75 Coat Metallic Pigmented - Spray Dispersant
- 4 - ACC 75/ACC 103 Coat Clear - Roll and Back Roll
- 5 - (Optional) ACC WBU Coat Clear Gloss or Matte

System Advantages

- USDA, FDA and CFIA Acceptable
- UV Stable and Resistant
- Single Day Application
- Non Slip Top Coat Option
- Custom & Attractive Look
- Long Life Expectancy
- Quick Return to Service
- Chemical Resistant
- Easily Maintained
- Excellent Wear Resistance
- Antimicrobial Top Coat Option

Typical Applications

- Restaurant Dining Areas
- Entertainment Venues
- Retail Stores
- Boutiques
- Show Rooms
- Office Lobby
- Garage Floors

Installation Instructions

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

STEP (Optional) Epoxy Moisture Block

Use for substrates with moisture readings of over 4LBs per 1000 Sq 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 160-200 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 (Metallic Pigmented)

Mix 1 part ACC 75 A side, with 1 part ACC 75 B side, and Metallic Pigment in correct ratio, 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 300 square feet per gallon. Spread material should be back rolled in the opposite direction (East to West) so coating material is evenly distributed without puddles or ridges. Allow 1 hour cure time, or until tack free before moving onto Step 3.

STEP 3 - Dispersion Coat (Metallic Pigmented)

Mix 1 part ACC 75 A side, with 1 part ACC 75 B side, and Metallic Pigment in correct ratio, 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 250 square feet per gallon. Spread material should be back rolled in the opposite direction (East to West) so coating material is evenly distributed without puddles or ridges. To maintain a consistent color, back roll should be done in a East to West, OR, West to East direction ONLY. By back rolling both directions, a slight color change may occur. This is the nature of the metallic pigment, and cannot be helped.

Immediately after back roll is completed, using a basic spray bottle, spray an even amount of Denatured Alcohol in a mist, or light stream on to wet coating, ensuring not to puddle dispersant.

Wait at least one hour to two hours until Step 4. Walking onto the coating too early may result in foot prints in the metallic finish that will show through the clear coat.

STEP 4 - Top Coat (Clear)

Mix 1 part ACC 75 A side, with 1 part ACC 75 B side and (ACC 103 - 2 Parts B side to 1 Part A side) mix thoroughly with stir stick for 2 minutes making sure to scrape sides and bottom of container. Pour a heavy ribbon of mixed material east to west, and spread evenly with a 3/8" non shed roller, in a north to south pattern. A spread rate of 250 square feet per gallon should be expected. Once material is spread, back roll in a east to west pattern (Opposite of spread direction). Allow a minimum of 1 - 2 hours dry time before moving to Step 5.

STEP 5 - (Optional) Second Top Coat (Clear)

Mix 1 part ACC 75 A side, with 1 part ACC 75 B side, (ACC 103 - 2 Parts B side to 1 Part A side) (ACC WBU - 2 Parts B Side to 1 Part A Side, add 60% Distilled Water to cut) and 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 300 square feet per gallon (ACC WBU - 400 Square Feet per Gallon). Spread material should be back rolled in the opposite direction (East to West) so coating material is evenly distributed without puddles or ridges.

Coverage Rates

Step	Product	SQ FT
Moisture Block	ACC EMB	160/Gal
Primer Coat	ACC 75 Metallic	300/Gal
Dispersion Coat	ACC 75 Metallic	250/Gal
Clear Top Coat	ACC 75/ACC 103	250/Gal
Optional Top Coat	ACC WBU	400/Gal



Primer Coat Pigmented



Dispersion Coat Pigmented



Dispersion



Clear Top Coat



Finished Metallic Floor

Physical Properties

Tensile strength,	ASTM D-638	3,500 - 4,000 psi
Compressive strength,	ASTM D-695	10,500 - 12,000 psi
Bond strength, Concrete	ASTM D-4541	400 psi Substrate Fail
Hardness, Shore D	ASTM D-2240	65-70
Flexural strength.	ASTM D-790	4,700 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

Maintenance

The Metallic 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 a great option for this flooring system. Although the ADVACOAT products are extremely tough, using a sacrificial maintenance coating, like a floor finish, can prolong the life of the coating for years on end.

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 Metallic Pigment System Specification Sheet
- www.Advacoat.com

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.