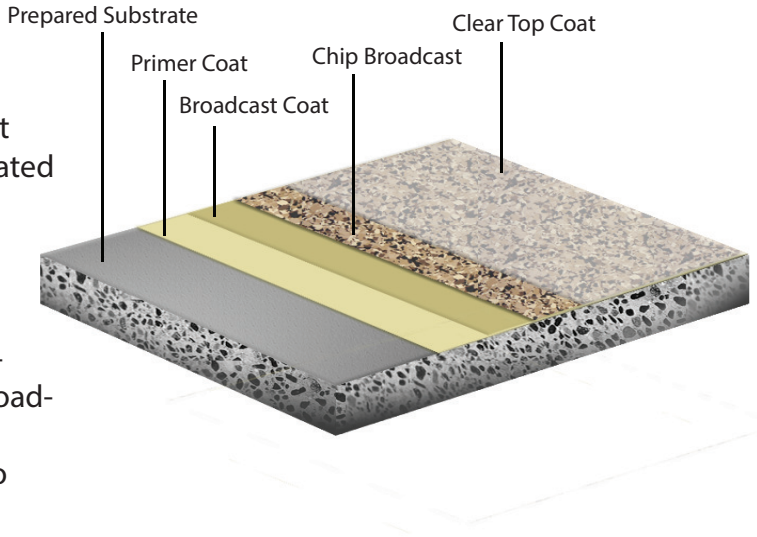
Vinyl Chip Broadcast

Multi Colored Full Broadcast Vinyl Paint Chip



Description

ADVACOAT Full Broadcast Vinyl Paint Chip system offers a great looking floor for any area. Vinyl Paint Chips are uniquely formulated to absorb basecoat and topcoat resins. This chemical property facilitates the creation of durable coating systems that resist component delamination.

Using ADVACOATs Polyaspartic products will cut down your installation time to a single day. Compared with using the traditional epoxy and polyurethane coatings, a Polyaspartic vinyl broadcast floor will eliminate long downtime for customers, while providing better gloss retention and abrasion resistance. Due to the wide variety of application avenues, this is one of the most common systems installed. The vinyl paint chips themselves offer a slight texture to the floor reducing the risk of slip and falls.

Due to the ability to build successive coats in a short amount of time, each separate coat will 'melt' together forming a single coating that will not delaminate from itself.

Surface Preparation

A profile of CSP 2-CSP 3 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 may be used to achieve a CSP 3 profile. When diamond grinding for preparation, using 20-40 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 Coat Pigmented - Primer Coat
- 3 - ACC 75 Coat Pigmented - Vinyl Chip broadcast to refusal
- 4 - Clean up excess vinyl chips, and scrape floor. Clean up loose chips
- 5 - ACC 75/ACC 103 Coat Clear - Flat Squeegee and Back Roll
- 6 - (Optional) ACC 75/ACC 103 Coat Clear

System Advantages

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

Typical Applications

- Rest Rooms
- Garage Floors
- Service Areas
- Offices
- Show Rooms
- Locker Rooms
- Production Areas
- Veterinary Clinics
- High Traffic Areas

Installation Instructions

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

STEP (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 1 part ACC 75 A side, with 1 part ACC 75 B side, and Aspartic 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 300-350 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 45 minute to 1 hour cure time, or until tack free before moving onto Step 3.

STEP 3 - Broadcast Coat (Pigmented)

Mix 1 part ACC 75 A side, with 1 part ACC 75 B side, and Aspartic 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.

Immediately after back roll is completed, broadcast vinyl paint chips into wet material. Keep broadcasting directly behind the back roll to ensure vinyl chip coverage. Wait at least one hour or until chips do not move under pressure from a finger before moving on to Step 4.

STEP 4 - Clean Up

Clean up excess vinyl chips using a leaf blower and broom. These paint chips may be re used on future projects. Using a 8 inch flat tile scraper, scrape chips in a even north - south pattern to knock down any standing chips. Repeat in the opposite direction to ensure all vinyl chips are shaved smooth. Using a leaf blower and vacuum, remove any loose shavings from area.

STEP 5 - 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. Over a full refusal broadcast, pour a heavy ribbon of mixed material east to west, and spread evenly with a flat rubber squeegee in a east to west pattern, saturating the floor. A spread rate of 180-200 square feet per gallon should be expected. Once material is spread and floor is saturated, using a 3/8" non shed roller, back roll in a north to south pattern (Opposite of Squeegee direction), followed by a final back roll from east to west. Allow a minimum of 1 - 2 hours dry time before moving to Step 6.

STEP 6 - (Optional) Second Top Coat (Clear)

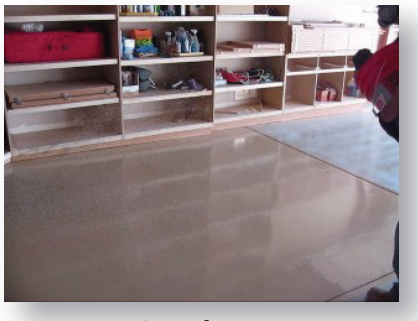
Mix 1 part ACC 75 A side, with 1 part ACC 75 B side, (ACC 103 - 2 Parts B side to 1 Part A side) and mix thoroughly with stir stick for 2 minutes making sure to scrape sides and bottom of container. Be sure to only mix quantity of material that can be spread within a 10 minute period. Pour ribbon of 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. 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 Barrier	ACC EMB	160/Gal
Primer Coat	ACC 75 Colored	350/Gal
Broadcast Coat	ACC 75 Colored	300/Gal
Chip Broadcast	Vinyl Paint Chip	8/LB
Clear Top Coat	ACC 75/ACC 103	200/Gal
Optional Top Coat	ACC 75/ACC 103	300/Gal

Primer Coat Pigmented

Broadcast Coat Pigmented



Broadcast

Scraping Chips

First Top Coat Clear

Second Top Coat Clear

Physical Properties

Tensile strength,	ASTM D-638	3,500 - 4,000 psi
Compressive strength,	ASTM D-695	13,000 psi
Bond strength, Concrete	ASTM D-4541	400 psi Substrate Fail
Hardness, Shore D	ASTM D-2240	72-78
Flexural strength.	ASTM D-790	3,900 psi
Abrasion Resistance, CS-17 Wheel 1000 mg. 1000 cycles	ASTM D-4060	29 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 Vinyl Paint Chip Full Broadcast 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.

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 Vinyl Chip Broadcast Specification Sheet

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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.