

SYSTEM DESCRIPTION

1-DAY DECORATIVE color chip systems offer high aesthetic value, proven durability and longevity, for a wide range of applications. 1-DAY DECORATIVE offer the advantages of a tough, easy-to-clean flooring surface with a wide range of creative possibilities in palette options. APF Decorative chips are available in 1/4" flake size.

USES

- Garage Floors
- Driveways
- Clean Rooms
- Laboratories, Animal Housing
- Offices
- Restaurant Interiors
- Retail Establishments
- Showrooms

TECHNICAL DATA

Hardness, Pendulum	172
Gloss (60°)	95
Bond Strength to Concrete (ASTM D-4541)	>350 psi, concrete fails

Refer to product data sheet of individual system component for more information.

ADVANTAGES

- Easy to clean and maintain
- Seamless, liquid tight surface
- Resistance to common chemicals
- Abrasion resistant, durable surface
- Attractive patterns, variable textures, customizable
- Variety of finishes available

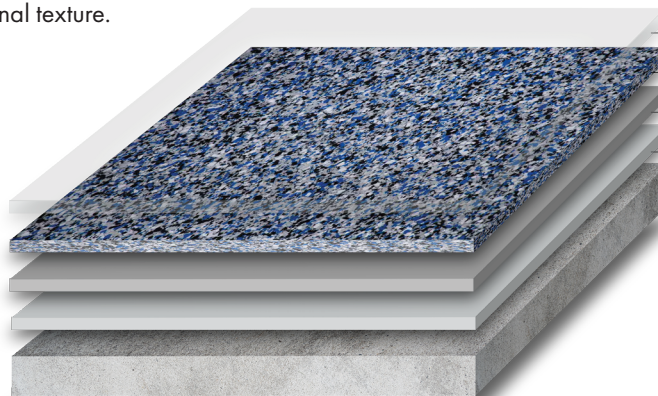
COLORS

Available in 19 Terrazzo colors and 9 Granitex colors. Refer to Granitex and Terrazzo color cards.

TYPICAL SYSTEM BUILD

COAT	PRODUCT	THICKNESS/COVERAGE
Patching, Filling, Moisture Vapor	APF Epoxy 300 Flex Paste, APF VaporSolve System	As required
Basecoat	APF Polyurea 5100, Pigmented	250-300 sqft/gallon (5-6 mils WFT)
Broadcast	Decorative Color Chips	0.12-0.15 lbs/sq.ft.
Topcoat	APF Polyurea 5100 Clear	250-300 sqft/gallon (5-6 mils WFT)

*Topcoat coverage determines final texture.



- TopCoat: Polyurea 5100 Clear
- Broadcast: Decorative Color Chips
- Basecoat: Polyurea 5100, Pigmented
- Patching, Filling, Moisture Vapor: Epoxy 300 Flex Paste, APF VaporSolve® System

Note: Diagram not to scale

APPLICATION INSTRUCTIONS

1.0 Concrete Moisture

It is the applicator's responsibility to test for concrete moisture in accordance with ASTM F2170-19. If moisture is indicated to be more than 85%, apply APF VaporSolve system in accordance with the published system data sheet. Consult APF Technical Service for further information.

2.0 Surface Preparation

Concrete must be cured for at least 30 days be clean, structurally sound, and free of wax, loose coatings or curing compounds. Concrete should be properly prepared to achieve a surface Minimum Texture of ICRI/CSP 2-3. Refer to ICRI technical guidelines 310-330 Selecting and specifying concrete surface preparation for sealer, coatings, polymer overlays, and concrete repair. Vacuum the prepared concrete surface to remove all dust. Acid etching is not recommended and will void manufacturers' warranty.

3.0 Crack Repair

Use Epoxy 300 Flex Paste immediately after mixing. Spread the product using a flat trowel, margin tool, or broad putty/plaster knife. Gunning is not recommended for this material. Apply it to completely fill the joint. If the product settles below the concrete surface, add more material. The cured product must be level with the concrete surface. Allow it to cure before applying the final coat.

4.0 Blending the Decorative Color Chips

Pre-blended chips are available from the factory to match the APF samples. Custom blending is also available. Determine the total pounds of chips needed for the installation. If you want the entire surface to be covered with chips, a "broadcast to refusal" is required. To determine the pounds of chips necessary to have on hand for your installation, multiply the total square feet by 0.12. If using the 1/8" chips, use a factor of 0.15. Of this total amount 10-12% will be recovered and can be used on a future job. If both used chips and new chips are to be used on a job, they must be blended together to achieve uniformity. Use household screen to remove most of the powder from the mix before using. If the chips are to be distributed sparingly on the job, the factor to determine the pounds needed could range from 0.04 – 0.09. It is better to have too many chips on the job than not enough.

If the contractor chooses to purchase single color chips and do his own blending processing, use the following procedure: Mix all the color chips thoroughly and put them through 1/8, 1/4, or 5/8 inch hardware mesh for sizing. Most of the powder generated from blending must be removed using regular household screen.

5.0 Application of the Basecoat and Chip Broadcast

Apply Polyurea 5100 to the surface immediately after mixing (refer

to the 5100 product data sheet for proper mixing instructions) using a brush or roller. Backroll using a quality solvent-resistant 3/8-inch nap roller cover at a rate of 250-300 sq. ft./gallon. DO NOT allow puddling or accumulation in joint areas. A "wet edge" is recommended when applying the product; do not attempt to roll over material that has begun to set. An applicator wearing spiked shoes will backroll the wet material with a quality solvent-resistant 3/8-inch nap roller cover to ensure uniform distribution. 5100 cures quickly, so it is important to move quickly applying the material and to change roller covers every 20-30 minutes. Polyurea 5100 should not be applied thicker than 10 mils wet, as it will generate excessive CO₂, leading to surface defects.

Transfer the chips from the box into a 5-gallon pail. The applicator broadcasting the chips must walk onto the wet material while wearing spiked shoes. Broadcast the chips with the fingers and the palm facing upward. For larger areas, have two applicators broadcast the chips. It is advisable to practice broadcasting the chips on a dry surface to "get the feel" for a proper broadcast method.

For the best finish, an even distribution of the decorative chips is essential. The easiest way to achieve this is by broadcasting the chips to refusal (0.12-0.15 lbs/sq. ft.). This means applying enough chips to the coated surface to obtain a completely covered, uniform appearance. Broadcast sufficient chips to accomplish this without using an excessive amount. Focus on a 10-12 sq. ft. area and achieve the desired distribution in that space before moving to another. Avoid creating a heavy concentration of chips in any one area. Attain the desired distribution gradually. Do not broadcast chips on any part of the substrate that is not basecoated. Leave a 1-2 foot space of basecoat material unchipped to allow the roller to tie in. Do not use the chips from the last inch of the pail.

6.0 Application of the Topcoat

After the Basecoat has dried (usually 1-3 hours), sweep up the chips that have not adhered with a clean stiff bristled broom. Save these chips for future use. After sweeping, scrape the surface lightly but thoroughly with a drywall scraper. Scrape both directions, both vertically and horizontally. After scraping, sweep, blow or vacuum the surface clean.

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STANDARD WARRANTY STATEMENT

ICP Construction, Inc. ("we" "us" or "our"), manufacturer of Arizona Polymer Flooring, warrants that the product is produced within specifications and is free from defects in material only. No warranty shall be in effect until our Terms and Conditions of Sales (<https://www.icpgroup.com/wp-content/uploads/ICP-Group-Terms-and-Conditions-of-Sale.pdf>) are met, including payment and cooperative promotional considerations. We warrant that the covered product is free of defects in material only and suitable for the specified purpose for a period of one (1) year from the date of shipment, provided the product is (a) installed within its published shelf life, in strict conformance with specifications, and (b) handled, stored, mixed, and applied in accordance with our written instructions. It is your responsibility to initiate any claim against this warranty within the time frame specified below. If we determine that the product meets the requirements of this warranty, then we will, at our sole discretion, either refund the purchase price of the product or provide replacement product, in each case not to exceed the affected area as determined by our authorized technical representative. To obtain replacement or refund you must (a) provide timely written notice to us specifying in detail the non-conformity suspected (no later than five (5) working days after discovery), and (b) provide proof of purchase. We reserve the right to inspect the product prior to replacement. EXCEPT FOR THE EXPRESS WARRANTY ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. IN NO EVENT SHALL WE OR OUR AFFILIATES BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES OF ANY NATURE, REGARDLESS OF THE FORM OF ACTION OR THEORY OF LAW, INCLUDING, WITHOUT LIMITATION, BREACH OF ANY OBLIGATION OR WARRANTY IMPOSED ON US HEREUNDER OR IN CONNECTION HERewith, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES IN ADVANCE AND EVEN IF A REMEDY SET FORTH HEREIN IS FOUND TO HAVE FAILED OF ITS ESSENTIAL PURPOSE. "CONSEQUENTIAL DAMAGES" SHALL INCLUDE, WITHOUT LIMITATION, LOSS OF USE, INCOME, OR PROFIT, OR LOSSES SUSTAINED AS THE RESULT OF INJURY TO ANY PERSON, OR LOSS OF OR DAMAGE TO ANY PROPERTY (INCLUDING, WITHOUT LIMITATION, PROPERTY HANDLED OR PROCESSED THROUGH THE USE OF THE PRODUCTS), DAMAGES OR LOSSES RESULTING FROM CLAIMS OF OTHER PERSONS AGAINST YOU, OR DAMAGES OR LOSSES SUSTAINED AS THE RESULT OF WORK STOPPAGE, OR REMOVAL AND REPLACEMENT COSTS AND COSTS OF LABOR. IN NO EVENT SHALL OUR LIABILITY ARISING IN CONNECTION WITH OR UNDER THIS WARRANTY (REGARDLESS OF THE FORM OF ACTION OR THEORY OF LAW) EXCEED THE AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT ONLY. THIS LIMITED WARRANTY PROVIDES YOUR EXCLUSIVE REMEDY FOR ANY DEFECT IN THE PRODUCT. If you do not agree with these terms, you may return the product within thirty (30) days of purchase for a full refund, provided the product is not opened, altered, or adulterated in any manner, less any shipping and handling charges of any sort. Use of the product, or retention of the product beyond thirty (30) days, constitutes your acceptance of this limited and exclusive warranty. No customer, distributor, or representative of ours is authorized to change or modify the published data sheets or this warranty in any way. No one is authorized to make oral warranties on behalf of us.