

CF-160

DECORATIVE FLAKE BROADCAST SYSTEM

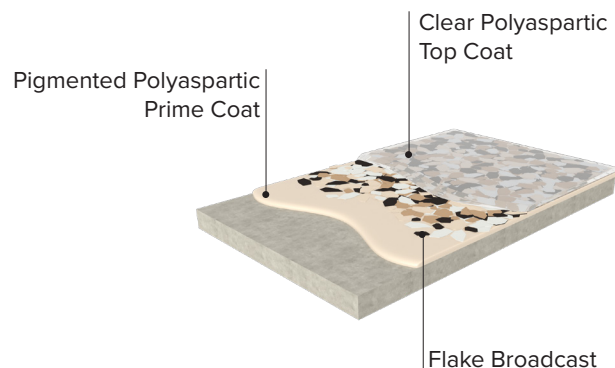
The CF-160 is a decorative flake epoxy broadcast system designed for rapid return to service & cold-climate applications. It incorporates a pigmented polyaspartic aliphatic polyurea primer that is broadcast to rejection and then top-coated with a clear high solids polyaspartic. CF-160 exhibits fantastic long-term substrate adhesion and is ideal for a range of applications requiring a minimal installation downtime.

Applications

- Garage Floors
- Education
- Healthcare
- Clean Rooms
- Retail

Features:

- Decorative Finish
- Superior Impact Resistance
- Minimal odor & voc
- Superior abrasion resistance
- Color stable



Colors & Finishes

Available in custom Resinwerks blends, colors may be customized to match any environment. Please coordinate all sample requests with your Resinwerks installer.

System Components

- 1. Primer/Broadcast Coat:** Pigmented Kinetic HS (High Solids) or Kinetic 85 Polyaspartic.
Kinetic HS is a 93% solids, no odor polyaspartic coating. Kinetic 85 is an 85% solids polyaspartic coating. Both are available in standard as well as slow-set versions.
Mix Ratio: 1A:1B.
- 2. Top Coat:** Kinetic or Kinetic HS (High Solids) or Kinetic 85 Polyaspartic.
Kinetic HS is a 93% solids, no odor polyaspartic coating. Kinetic 85 is an 85% solids polyaspartic coating. Both are available in standard as well as slow-set versions.
Mix Ratio: 1A:1B.

GENERAL SYSTEM PERFORMANCE - SC-100

TEST TYPE		RESULT
Compressive Strength	ASTMC 695	8,000 PSI
Water Absorption	ASTMD 570	< .1%
Adhesion Pull-Off	ASTMD-4541	+500 PSI concrete fracture
Elongation / Tensile	ASTMD 638	5200 psi
Flexibility 1/4" cylindrical mandrel	ASTMD 522I	Pass
Hardness / Shore D	ASTMD 2240	75
Impact Resistance	ASTMD 4060	> 160 Inch/Lb

For Professional Use Only

Please reference all product Technical Data and Material Safety Data Sheets prior to use. Mock-ups are strongly recommended to validate appearance and performance prior to use.

SURFACE PREPARATION

Ensure substrate to be coated is clean, dry, and in sound condition. All laitance, curing compounds, concrete hardeners, and other surface contaminants must be removed. Prepare concrete in accordance with ASTM D 4259-83. Mechanical grinding is recommended to achieve a surface profile of ICRI CSP 2. Surface to be coated must be completely porous, thoroughly vacuumed, and free of excessive dust & contaminants.

MOISTURE IN CONCRETE

Concrete slabs should be tested prior to application for elevated moisture vapor emission levels. Resinwerks recommends ASTM F2170-19 standard for determining relative humidity in concrete slabs using RH probes. Moisture level results will determine recommended mil thickness for application.

DE-GREASING OF CONTAMINATED SUBSTRATES

For concrete substrates containing oil, animal fats, or other carbon based contaminants, slabs should be de-greased appropriately using an enzymatic based concrete de-greasing agent. Multiple applications may be required depending on the level of contamination.

TREATMENT OF JOINTS & CRACKS

Prior to installation of any Resinwerks primer, all joints, cracks and other substrate irregularities must be addressed. For more information on specific joint treatment procedures, please reference Resinwerks joint-treatment guidelines.

COVE BASE

For projects requiring a perimeter vertical cove base, please reference Resinwerks cove base installation guidelines or contact your local Resinwerks representative for more information.

COATING APPLICATION

1. Primer/Broadcast Coat: Kinetic 85 or Kinetic HS Polyaspartic

- **Mixing:** Thoroughly agitate part A prior to mixing. Mix 1-part A to 1-Part B by volume for two minutes using a slow speed jiffy mixer.
- **Pigmenting:** Kinetic HS is available pre-pigmented in all standard colors. Polyaspartics may also be pigmented with Resinwerks universal pigments at a load rate of 10-12 OZ per mixed gallon or 3-gallons (mixed) per Quart. Pigment may be added during mixing process. If adding pigment to part A Prior to mixing with part B, take great care to measure out mix to ensure a true 1A:1B mix ratio for the base material.
- **Application:** Immediately following mixing, pour onto substrate in a uniform ribbon and spread evenly with a 5-7 mil notched squeegee. Standard recommended coverage is 150 SF per gallon. Immediately back-roll with a non-shedding roller. Use a brush or small roller to cut-in along perimeter walls or any other obstructions.
- Immediately following back-roll, broadcast blended flake media to rejection.
- Once cured, remove and store excess flake for future use. Scrape flake in 3 opposing directions and dispose of excess flake following scrape.

2. Top-Coat: Kinetic HS or Kinetic 85 Polyaspartic

- **Mixing:** Thoroughly agitate part A prior to mixing. Mix 1-part A to 1-Part B by volume for two minutes using a slow speed jiffy mixer.
- Immediately following mixing, pour onto substrate in a uniform ribbon and spread evenly with a notched squeegee. Standard recommended coverage is 150 SF per gallon.
- Immediately back-roll with a non-shedding roller. Use a brush

Important:

Inhalation of vapor or mist can cause headache, nausea irritation of nose, throat, and lungs. Avoid breathing vapors, it is strongly recommended that respirators are worn. Prolonged or repeated skin contact can cause slight skin irritation. All epoxies have the potential of causing skin irritations or allergic reactions. Be careful not to get on skin, clothes or in eyes. Gloves are strongly recommended. If splashed in the eye, flush with warm water and contact a physician if blurring persists.

Solvent based products are extremely flammable, extinguish all pilot lights and sources of ignition such as electrical motors. Be sure to have adequate cross ventilation prior to installing.

Resinwerks recommends the use of slip-resistant additives in all coating systems that are subject to heavy foot traffic and especially those within wet or oily environments. It is the end-user's responsibility to provide flooring that meets current safety standards and local coefficient of friction requirements. Resinwerks nor any of its distributors are responsible for injury resulting from any slip and fall incident.

