

# CF-100

## DECORATIVE FLAKE BROADCAST SYSTEM

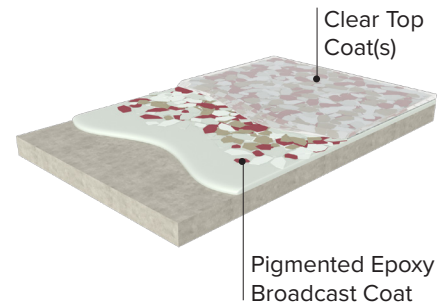
The CF-100 is a decorative flake epoxy broadcast system designed for heavy-traffic settings. It incorporates a pigmented 100% solids Vapor Barrier Epoxy primer with a full decorative flake broadcast. The system is grouted with a UV stable 100% solids clear cycloaliphatic epoxy grout coat and finished with an optional high-traffic urethane for added abrasion & chemical resistance. Available in standard Resinwerks flake blends, custom blends are also available. For concrete slabs exhibiting higher PH or elevated moisture vapor emission rates, base-coat may be substituted for Resinwerks Vapor Barrier Epoxy.

### Applications

- Hospitals
- Education
- Laboratories
- Clean Rooms
- Retail

### Features:

- Decorative Finish
- Superior Impact Resistance
- Low odor & minimal 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 representative. The system is available with a gloss or satin finish.

### System Components

- 1. Primer/Broadcast Coat:** Vapor Barrier Epoxy - 100% Solids pigmented epoxy broadcast coat that is broadcast to rejection with a custom multi-colored flake broadcast media. Also available in a fast-cure version.  
Mix Ratio: 2A:1B: Broadcast to rejection.
- 2. Grout / Top Coat:** LevelGuard Clear  
LevelGuard Clear is a 100% solids water-clear cycloaliphatic epoxy.  
Mix Ratio: 2A:1B.
- 3. Final Top Coat:** HDC 100 Clear  
HDC 100 High Traffic Urethane incorporates a light texture and highly abrasion resistant wear surface.  
Available in semi-gloss or satin finishes.

### 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	90
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 Shot Blasting is recommended to achieve a surface profile of ICRI CSP 3. 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: Vapor Barrier Epoxy

- **Mixing:** Thoroughly agitate part A prior to mixing. Mix 2-parts A to 1-Part B by volume for one minute using a slow speed jiffy mixer for a minimum of 2-3 minutes.
- **Application:** Immediately following mixing, pour onto substrate in a uniform ribbon and spread evenly with a notched squeegee. Standard recommended coverage is 130 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. Grout Coat: LevelGuard Clear EP

- **Mixing:** Thoroughly agitate part A prior to mixing. Mix 2-parts A to 1-Part B by volume for two-three 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 160 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.
- Once Cured, sand entire floor with a 120-grit sanding screen or disk to smooth the surface.

#### 3. Top Coat:

- HDC 100 Urethane:

#### 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.

