

# EPX-F

## EPOXY DECORATIVE FLAKE BROADCAST SYSTEM

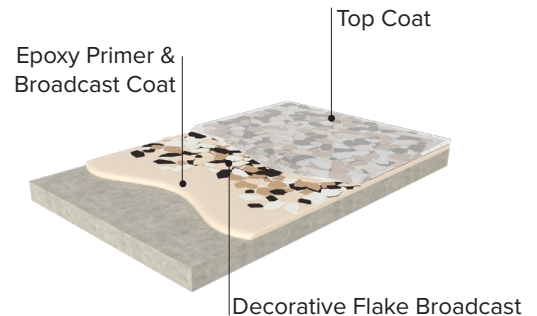
Resinwerks EPX-F is an economical seamless decorative flake epoxy broadcast system designed for light-to medium duty environments. It incorporates a pigmented primer/broadcast coat, followed by a full decorative flake broadcast. The system is grout and top-coated with a single coat of either high-solids or 85% solids polyaspartic. Available in a gloss or satin finish with standard Resinwerks flake blends. Custom blends, including hybrid stone blends are also available.

### Applications

- Garages
- Walk-ways
- Locker rooms
- Schools
- Laboratories

### Features:

- Excellent UV Stability
- Good chemical & abrasion resistance
- Low Odor & VOC
- ADA compliant slip coefficient
- Suitable for high-moisture applications



### SYSTEM COMPONENTS:

#### PRIMER & BROADCAST COAT OPTIONS:

Vapor Barrier Epoxy	100% solids vapor barrier epoxy
BioCure 1100 EP	100% solids epoxy primer/intermediate coat
Rapid H2O EP	41% solids water-based primer

#### GROUT/TOP COAT:

Kinetic HS Polyaspartic	High Solids Polyaspartic
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### GENERAL SYSTEM PERFORMANCE - SC-100

TEST TYPE		RESULT
Compressive Strength	ASTMC 695	7,500 PSI
Permeability (VBE ONLY)	ASTME 96	0.059 PERMS (grains h-1 ft-2 in Hg-1)
Water Absorption	ASTMD 570	< .1%
Impact Resistance	ASTMD 2794	> 160
Adhesion Pull-Off	ASTMD-4541	+500 PSI concrete fracture
Elongation / Tensile	ASTMD 638	2800 psi
Flexibility 1/4" cylindrical mandrel	ASTMD 5221	Pass
Hardness / Shore D	ASTMD 2240	75
Taber Abrasion	ASTMD 4060	32 mg loss (HDC 100)
Coefficient of Friction	ASTMD-2047	>0.6 / pass

### 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 or planetary grinding is recommended to achieve a surface profile of ICRI CSP 2-3. 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.

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### 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 Options:

##### Vapor Barrier Epoxy

- **Mixing:** Thoroughly agitate part A prior to mixing. Mix 2-parts A to 1-Part B by volume for 2-3 minutes using a slow speed jiffy mixer. Make certain that material is properly mixed. Only mix in metal buckets as left-over material can become hot and will melt a plastic bucket. After mixing, get the material out of the bucket and apply material as soon as possible to avoid issues.
- **Application:** Immediately following mixing, pour Vapor Barrier Epoxy onto substrate in a uniform ribbon and spread evenly with a notched squeegee. Apply at a recommended coverage rate of 12-mils or 130 SF/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, lightly abrade surface with a black pad or fine sanding screen to remove gloss sheen and any surface contaminants. Vacuum up excess dust and wipe with solvent (xylene or acetone) to prepare for topcoat.

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##### BioCure 1100™ Epoxy

- **Mixing:** Thoroughly agitate part A prior to mixing. Mix 1-part A to 1-Part B by volume for 2-3 minutes using a slow speed jiffy mixer. Make certain that material is properly mixed. After mixing, get the material out of the bucket as soon as possible to avoid issues.
- **Application:** 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.

--OR--

##### Rapid H2O EP™

- **Mixing:** Review Rapid H2O EP Data Sheet Prior to mixing. Thoroughly agitate part A and B prior to mixing. Mix 2-parts A to 1-Part B by volume for one minute using a slow speed drill mixer. After 1-minute add 1-gallon of water and mix for a minimum of 2 additional minutes. Adding water is required.
- **Application:** : Immediately following mixing, pour onto substrate in a uniform ribbon and spread evenly with a notched squeegee. Standard recommended coverage is 140

sq. ft. 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.

#### 2. Flake Broadcast

- **Broadcast to Rejection:** Flakes should be fully broadcast to rejection at a coverage rate of approximately 350 ft<sup>2</sup> per 40lb. box for 1/4" flake blends. Smaller blends will yield decreased coverage rates. Contact Resinwerks for more information.

#### 3. Top Coat: Kinetic HS Pigmented

- **Mixing:** Thoroughly agitate part A prior to mixing. Mix 1-part A to 1-Part B by volume for 2 minutes using a slow speed jiffy mixer. Be careful not to induce a vortex. Make certain that material is properly mixed. After mixing, material can remain in the bucket until it is ready to be applied.
- **Application:** Immediately following mixing, pour onto textured substrate in a uniform ribbon and spread evenly with a flat squeegee. Standard recommended coverage is 150 ft<sup>2</sup> 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.
- Kinetic 85 polyaspartic may be substituted depending on project requirements.

#### 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.



[www.resinwerks.com](http://www.resinwerks.com)

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