

# SC 210

## HIGH TRAFFIC SOLID COLOR FLOORING SYSTEM

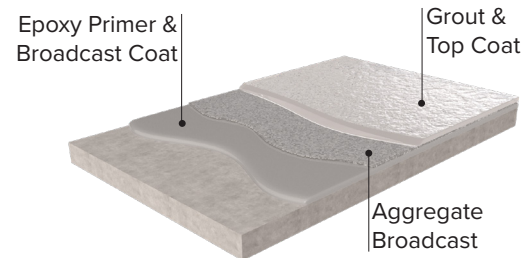
SC-210 is a heavy-duty solid color system engineered for superior impact & abrasion resistance. Providing an approximate thickness of 1/16", 210 incorporates a unique multi-sized quartz aggregate with high performance epoxy coatings to provide for enhanced protection against heavy point-loads and abnormal impact. It is top-coated with a UV stable high-traffic urethane offering superior long-term abrasion resistance.

### Applications

- Auto Dealerships
- Shop floors
- Manufacturing
- Fire Stations
- Animal Facilities

### Features:

- Excellent UV Stability
- Superior chemical & abrasion resistance
- Low odor & voc, LEED Eligible
- ADA compliant slip coefficient
- Suitable for heavy-traffic environments



### Colors & Finishes

Available in all standard colors with the capability for integral safety stripes. SC-210 is lightly textured with a satin finish.

pigments at a load rate of 1-pint (16 oz) per kit.

**Mix Ratio: Mix Full Kit.**

### System Components

- 1. Primer:** WBE 500 Epoxy Primer:  
Resinwerks WBE 500 is a 50% solids, penetrating epoxy primer engineered for maximum adhesion. Pigmented  
**Mix Ratio: 1A:1B**
- 2. Broadcast Coat:** BioCure 1100 EP: Resinwerks  
BioCure 1100 EP is a 100% solids, pigmented self-leveling epoxy primer & intermediate coat engineered for maximum adhesion. Broadcast to rejection Resinwerks "F" aggregate.  
**Mix Ratio: 1A:1B**
- 3. Grout Coat:** BioCure 1100 EP: Resinwerks  
BioCure 1100 EP is a 100% solids, pigmented self-leveling epoxy primer & intermediate coat engineered for maximum adhesion. **Mix Ratio: 1A:1B**
- 4. Top Coat:** HDC 100 Satin Finish  
HDC 100™ is a heavy-duty 2-component moisture-cured urethane top-coat system that incorporates an ultra-fine aggregate to provide maximum durability. Recommended satin finish and pigmented with Resinwerks universal

### GENERAL SYSTEM PERFORMANCE - SC-210

TEST TYPE		RESULT
Compressive Strength	ASTMC 695	12,200 PSI
Water Absorption	ASTMD 570	< .1%
Impact Resistance	ASTMD 2794	> 180
Adhesion Pull-Off	ASTMD-4541	+500 PSI concrete fracture
Elongation / Tensile	ASTMD 638	4000 psi
Flexibility 1/4" cylindrical mandrel	ASTMD 522I	Pass
Hardness / Shore D	ASTMD 2240	85
Taber Abrasion	ASTMD 4060	16 mg loss
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 if or not a vapor barrier epoxy primer should be incorporated into the system.

**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: WBE 500**

- **Mixing:** Thoroughly agitate part B prior to mixing. Mix 1-part A to 2-Parts B by volume for 2 minutes using a slow speed jiffy mixer. Make certain that material is properly mixed.
- **Application:** Immediately following mixing, apply coating as uniformly as possible with a short nap (3/8" or less) roller. Avoid excessive cross rolling and back-rolling as that will lead to bubbling. Standard recommended coverage rate is 250 SF per gallon. Do not allow the product to puddle. Puddling of excess material will possibly not cure. Depending on ambient environmental and slab temperatures, material will be dry to the touch and ready for subsequent coats within approximately 6-8 hours following application. Let material cure prior to re-coating.

**2. Broadcast Coat: BioCure 1100 EP**

- **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 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.
- Broadcast floor with Resinwerks "F" aggregate to rejection. Broadcast media will yield approximately 2 SF/Lb or 100 SF per 50 lb bag. All material to full cure and remove excess quartz prior to grout coat. Excess quartz may be retained.

**3. Grout Coat: BioCure 1100 EP**

- **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 flat squeegee. Standard recommended coverage is 100 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.
- Let material cure prior to re-coating. 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 second coat.

**2. Top Coat: HDC 100 High Traffic Urethane**

- **Mixing:** Mix complete kit for two minutes using a slow speed jiffy mixer. While mixing pour complete contents of HDC 100 aggregate into mix, taking care to properly suspend all aggregates.
- **Pigmenting:** Add Resinwerks universal pigment at a rate of 16 oz / 1-pint per full kit. Pigment should be added during mixing.
- **Application:** HDC 100 should be applied at about 3 mils DFT with a coverage rate of approximately 550 square feet per pigmented kit by pan rolling with a 3/8 nap roller. For proper appearance, dip the roller in the coating and lightly roll out excess in the application tray. Take care to spread the material evenly and immediately back-roll in a perpendicular fashion. Frequently agitate material in both the pan and mixing vessel during application process to keep aggregates properly suspended.

**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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