System Datasheet

SLABHARD® HB Color Chip Flooring System

DECORATIVE EPOXY BROADCAST FLOORING SYSTEM

SYSTEM DESCRIPTION

The SLABHARD® HB Color Chip Flooring System is a decorative epoxy broadcast flooring system designed for commercial, institutional, and light-industrial environments requiring durable, seamless, and easy-to-maintain flooring surfaces.

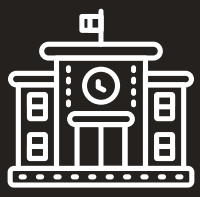
The system consists of a pigmented epoxy base coat, decorative color chip broadcast, epoxy grout coat, and UV-stable polyurethane topcoat, with optional moisture mitigation, slip resistance, and fast-cure configurations available.

Engineered for high-traffic environments, the system provides excellent abrasion resistance, chemical resistance, durability, and a uniform decorative finish for schools, retail spaces, automotive service areas, institutional facilities, corridors, restrooms, and other commercial environments.

ADVANTAGES

- Decorative, uniform finish
- Excellent abrasion and chemical resistance
- Slip-resistant texture
- Seamless and easy to maintain
- Optional moisture mitigation
- UV-stable polyurethane topcoat
- VOC compliant

RECOMMENDED USES



Schools and universities, Institutional facilities

Automotive service areas

Retail and commercial spaces, Corridors and restrooms

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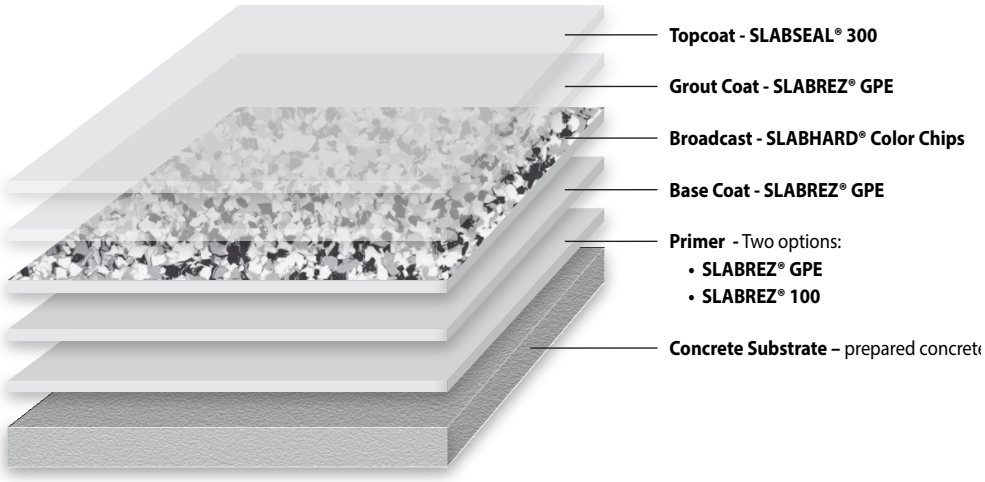
TYPICAL SYSTEM BUILD

Layer	Product	Function	Coverage / Thickness
Moisture Mitigation (Optional)	SLABLOC® 150	Moisture vapor barrier	100 sq ft/gal @ 16 Mils WFT
Crack / Joint Filler	SLABFLEX 300	Patching Material	As needed
Primer	SLABREZ® 100 or GPE	Adhesion promoter	200–250 sq ft/gal @ 7-8 Mils WFT
Base Coat	SLABREZ® GPE (Pigmented)	Build layer for broadcast	200-225 sq ft/gal @ 7 – 8 Mils WFT
Broadcast	Color Chips	Decorative / slip resistance	.12-.15 Pounds per SQ FT
Grout Coat	SLABREZ® GPE (Clear)	Locks chips / smooths surface	100–150 sq ft/gal @ 10- 16 Mils WFT
Topcoat	SLABSEAL® 300	UV & chemical resistant finish	375-425 sq ft/ gal @ 3.5 – 4 Mils WFT

SYSTEM BUILD DIAGRAM



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SURFACE PREPARATION

- Concrete must be structurally sound, clean, and free of coatings, sealers, and contaminants.
- Prepare surface to ICRI CSP 2–3 depending on system thickness. Repair defects, cracks, and spalls prior to coating. New concrete must cure a minimum of 28 days and achieve 4,000 psi compressive strength.
- Perform moisture testing per ASTM F2170 or F1869. If MVT exceeds 3 lbs or RH exceeds 85 %, apply SLABLOC® 150 as the vapor barrier layer.

APPLICATION GUIDELINES

Moisture Mitigation SLABLOC 150

Apply immediately to properly prepared concrete using a notched squeegee, followed by back-rolling with a 3/8-inch non-shedding roller. Apply at a minimum of 100 sq ft per gallon (16 mils WFT).

- Allow to cure 8–12 hours at 75°F before recoating.
- Do not apply if substrate temperature is below 60°F or if relative humidity exceeds 85%.
- Crack Repair / Joint Filling (SLABFLEX® 300) as Needed

CRACK / JOINT FILLER SLABFLEX 300

- **Pre-mix A and B components per product instructions.**
- **Apply using a margin trowel or bulk gun to fill cracks and control joints.**
- **Tool flush with the surface and allow to cure a minimum of 4–6 hours at 75°F before coating.**

PRIMER SLABREZ 100 / GPE

- Mix material per datasheet
- Apply by squeegee and back-roll to achieve 200-250 sq ft/gal (7–8 mils WFT).
- Ensure even coverage and no puddling.
- Allow primer to cure to tack-free—typically 8–10 hours at 75°F—before applying the base coat.
- Build Coat (SLABREZ® GPE)

BASE COAT SLABREZ GPE Pigmented

- Mix full kits of Parts A and B for 2–3 minutes using a low-speed (450 rpm) drill and Jiffy-type impeller.
  Apply by notched squeegee and back-roll using a 3/8-inch phenolic roller.
- Apply at 200-225 sq ft/gal 7-8 mils WFT).
- Allow to cure 10-12 hours and recoat within 24 hours.
- Maintain substrate and ambient temperatures between 60°F and 90°F during installation.
  For rapid turnaround, substitute GPE Fast Cure for the standard version (4–6 hour recoat window).

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Color Chip Broadcast

- Broadcast color chips at a rate of .12 - .15 pounds per square foot into the wet base coat.
- Allow base coat to level for a minimum of 10 minutes prior to broadcasting color chips.
- Allow no more then 30 minutes to elapse prior to broadcasting.

Grout Coat GPE Clear

- Mix full kits of Parts A and B for 2-3 minutes using a low-speed (450 rpm) drill and Jiffy-type impeller. Apply by notched squeegee and back-roll using a 3/8-inch phenolic roller.
- Apply at 100-150 sq ft/gal 10-16 mils WFT).
- Allow to cure 10-12 hours and recoat within 24 hours.
- Maintain substrate and ambient temperatures between 60°F and 90°F during installation. For rapid turnaround, substitute GPE Fast Cure for the standard version (4-6 hour recoat window).

FINISH COAT SLABSEAL® 300

- Mix Parts A and B for two minutes using a low-speed (450 rpm) drill and Jiffy-type paddle. Immediately pour out material in ribbons and spread evenly with a flat squeegee, followed by cross-rolling (north– south, east–west) using a 3/8-inch solvent-resistant roller.
- Apply at 350-400 sq ft/gal (3–5 mils WFT).
- Avoid puddling and maintain a continuous wet edge.
- Full mechanical and chemical cure: 5-7 days
- This product has an optional aluminum oxide additive for satin finish.

SYSTEM OPTIONS

- Alternative Primer: SLABREZ® 100 for damp substrates
- Moisture Mitigation: SLABLOC® 150
- Slip Resistance: Aluminum oxide or silica additives
- Fast Cure: GPE Fast Cure option

MAINTENANCE

Clean regularly using neutral pH cleaners. Inspect periodically and repair damaged areas as needed.

TECHNICAL SUPPORT

For questions, contact a SLABHARD authorized dealer.

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LIMITED WARRANTY

Star Step Alta Coatings LLC warrants SLABHARD® products to be free of manufacturing defects and to meet published physical properties. Seller's sole responsibility shall be to replace that portion of the product proven defective. No other warranties, express or implied, including merchantability or fitness for a particular purpose, are made. Star Step Alta Coatings LLC is not responsible for consequential damages or improper application. For complete warranty terms, consult the current SLABHARD Product Warranty Statement.

For Industrial Use Only.
Keep containers tightly closed and out of reach of children.
Refer to the individual Product Data Sheet and Safety Data Sheet for additional details prior to installation.

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