# Sikafloor® DecoFlake System

Decorative Flake Flooring System 1/16 – 1/8 in (1.5 – 3 mm)

### Description

Sikafloor DecoFlake is an aesthetic, easy to clean, seamless floor consisting of a clear epoxy binder, broadcast with multi-colored vinyl chips and sealed with transparent, or UV stable topcoats. The system is highly customizable with an extensive color palette and variable application thicknesses. Final surface options include: integral cove base, and variable surface texture to produce a range of slip-resistant finishes.

#### Where to Use

- Restaurant and cafeteria seating areas.
- Commercial kitchen and food preparation areas.
- Grocery, department and retail stores.
- Light to medium duty production areas.
- Pharmaceutical laboratories, production rooms and offices.
- Hospitals, laboratories and health care facilities.
- Museums and galleries.
- Commercial lobbies and office areas.
- Animal shelters and veterinary clinics.

#### **Advantages**

- A seamless surface that is easy to clean and maintain.
- Durable, impermeable and seamless.
- High abrasion and impact resistance.
- Good chemical resistance
- Optional integral base and curbs can be installed without seams or joints.
- Low odor / low VOC.
- A highly customizable aesthetic multi-coloured finish.
- Variable surface texture to produce a range of slip-restraint finishes.
- Available in various standard color blends, refer to Sikafloor® DecoFlake® color guide.

### TYPICAL DATA

Solid Contont

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

- 1000/ (by volumo) / - 1000/ (by woight)

Refer to individual Sikafloor component product data sheets for complete physical properties.

#### Sikafloor 161 Primer & Sikafloor 264 Body Coat

Solia Content	~ 100% (by volume) / ~ 100% (b	y weight)
Compressive Strength	ASTM C-579	7,426 psi (51.2 Mpa)
Pull-off Strength	ASTM D-4541	>350 psi (2.5 MPa)
Tensile Strength	ASTM D-638	4,902 psi (33.8 Mpa)
Elongation	ASTM D-638	8.3 %
Shore D	ASTM D-2240	82
Flexural Strength	ASTM D-790	8,558 psi (59 Mpa)
Flexural Modulus of Elasticity	ASTM D-790	8.34 x 10 <sup>5</sup> psi (5.7 x 10 <sup>3</sup> MPa)
Flammability (with any recommended finish coat)	ASTM E-648	Class I
Abrasion Resistance (CS-17/1000rot/1000g) mg	/loss	
Sikafloor 217 topcoat	ASTM D-4060	58 mg
Sikafloor 315 Clear topcoat (smooth high gloss)		18 mg
Sikafloor 225 topcoat		93 mg
Sikafloor 510 &		37 mg
Sikafloor 510N LPL		83 mg

**Dynamic Coefficient of Friction**Refer to individual product data sheet for finish top coat



## Single Broadcast System:

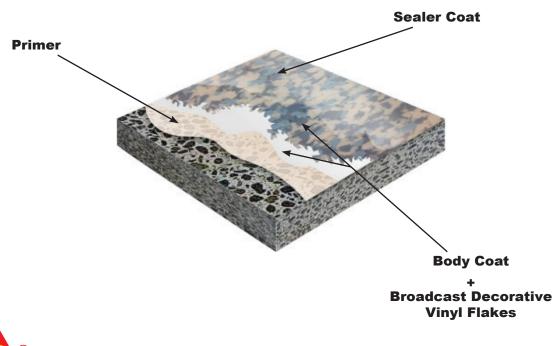
Coating	Product Name	Typical Thickness (mils)
Primer	Sikafloor 161	8 - 10
Body Coat	Sikafloor 264¹ + Broadcast to Rejection Vinyl Decorative Flakes	16
Sealer Coat	Sikafloor 217¹	12
Optional Top Coat	Sikafloor 315N <sup>2</sup>	3 - 3.5
Optional Top Coat	Sikafloor 225N	16
Optional Top Coat	Sikafloor 510 or 510N LPL <sup>3</sup>	16

## Double Broadcast System:

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Primer	Sikafloor 161	8 - 10		
1st Body Coat	Sikafloor 264¹ + Broadcast to Rejection Vinyl Decorative Flakes	12		
2nd Body Coat	Sikafloor 217¹ + Broadcast to Rejection Vinyl Decorative Flakes	16		
Top Coat	Sikafloor 217 <sup>1</sup>	16		
Optional Top Coat	Sikafloor 315N <sup>2</sup>	3 - 3.5		
Optional Top Coat	Sikafloor 225N	16		
Optional Top Coat	Sikafloor 510 or 510N LPL <sup>3</sup>	16		

<sup>&</sup>lt;sup>1</sup> Sikafloor-217 and Sikafloor-264 may be replaced by Sikafloor-225N for increased UV resistance or Sikafloor-510N LPL for superior UV resistance and short turn around times.

## System Build Up Step Diagram: Single Broadcast System





<sup>&</sup>lt;sup>2</sup> Sikafloor-315N would be an optional top coat on top of Sikafloor-217 or Sikafloor-225N for increased chemical and abrasion resistance)

 $<sup>^{3}</sup>$  Sikafloor 510 or 510N LPL would be an optional top coat for superior wear and UV resistance

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