

# Sikafloor® Quartzite Broadcast System

Decorative Epoxy Multicolored Quartz Broadcast Finish of 125 mils (3 mm)

**Description** Sikafloor Quartzite Broadcast System is a seamless, aesthetic, 125 mils (3 mm) thick, broadcast and sealed epoxy floor, composed of multicolored quartz aggregates finished with transparent top coats. The system provides a durable, impermeable lightly textured, slip resistant finish with superior mechanical and good chemical resistance. Various Sikafloor epoxy, polyaspartic and urethane topcoats and variable surface textures are available to produce a range of slip-resistant finishes depending on conditions of use.

- Where to Use**
- Grocery stores.
  - Food packing rooms.
  - Commercial kitchens.
  - Department stores.
  - Factories.
  - Pharmaceutical laboratories and offices.
  - Hospitals, laboratories and health care facilities.
  - Museums and galleries.
  - Banks, office and government buildings.
  - Recreational facilities, change rooms and showers

- Advantages**
- Durable, impermeable and seamless.
  - Superior mechanical resistance.
  - Good chemical resistance.
  - Provides a cleaner, safer and more sanitary work environment.
  - Low maintenance.
  - High density prevents dirt penetration, which provides easy cleaning.
  - Low odor / low VOC.
  - Optional) Integral cove, base and curbs
  - Available in various color patterns, refer to Sikafloor® Quartzite® Color Chart for details.

Properties Tested at 73°F (23°C) and 50 % R.H: Base layer aggregate and resin, consult Sikafloor product data sheet for individual finish coat properties.

<b>Solid Content</b>		~ 100% (by volume) / ~ 100% (by weight)
<b>Compressive Strength</b>	ASTM C-579	Resin (filled 1:0,9 with Sikadur 504) 8,750 psi (60 Mpa)
<b>VOC Content</b>		See individual component product data sheet
<b>Thermal Compatibility</b>	ASTM C-884	Pass
<b>Tensile Strength</b>	ASTM C 307	1,655 psi (11.4 Mpa)
<b>Elongation</b>	ASTM D-638	1.1 %
<b>Bond Strength</b>	ASTM D-4541	>350 psi (2.4 Mpa) (Concrete failure)
<b>Hardness (base)</b>	ASTM D-2240	82 Shore D
<b>Flexural Modulus of Elasticity</b>	ASTM C-50	1.36E+06 psi (9,400 Mpa)
<b>Flexural Strength</b>	ASTM C-580	3,770 psi (26 Mpa)
<b>Abrasion resistance (H-22/1000 cycles/1000g)</b>	ASTM D-4060	58 mg
<b>Water absorption (7 days)</b>	ASTM C-413	0.15 %
<b>Water vapor transmission</b>	ASTM E-96	0.41 g/hour/sq-meter Self
<b>Flammability (Sikafloor Quartzite, quartz matrix)</b>	ASTM D635	Self Extinguishing
<b>Indentation</b>	(MIL-PRF-24613)	0.30%
<b>Chemical Resistance</b>	Please consult Sikafloor Technical Services.	



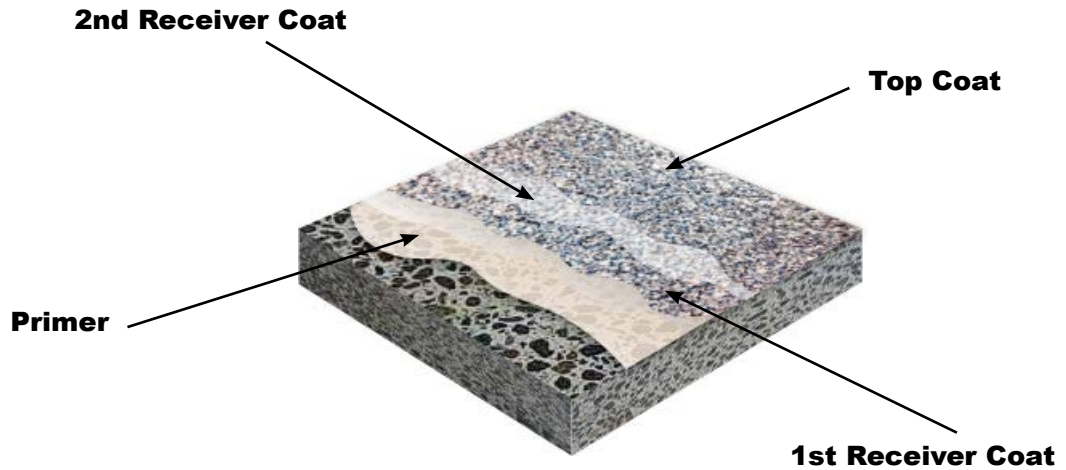
## System Build Up

Coating	Product Name	Typical Thickness (mils)
Primer	Sikafloor 161	8 -10
1st Receiver Coat	Sikafloor 217 + Broadcast to Rejection Decorative Quartz Aggregate	12-14
2nd Receiver Coat	Sikafloor 217 + Broadcast to Rejection Decorative Quartz Aggregate	12-16
Top Coat	Sikafloor 217	12-16
Optional Top Coat	Sikafloor 225 N	12-16
Alternate & Receiver Top Coat	Sikafloor 511 or 510 N LPL <sup>1</sup>	12-16
Optional Additional Top Coats	Sikafloor 315 N <sup>2</sup>	3- 6
Optional Additional Top Coats	Sikafloor 340 <sup>2</sup>	3- 4

<sup>1</sup>Alternate Receiver & Top Coat: Sikafloor 511 or 510N LPL would replace Sikafloor-217 as Standard Receiver & Top Coat for superior UV resistance and increased chemical resistance.

<sup>2</sup>Additional Seal Coats: Sikafloor-315 N and Sikafloor-340 would be an Additional Top Coat on top of Sikafloor-217 or Sikafloor-225 N for increased chemical, abrasion resistance (e.g. helps reduce scratches, staining, protects from chemical attack) and UV resistance.

## System Build Up Step Diagram



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