

Sikafloor® Quartzite® HDB Broadcast System

Trowelled Epoxy Screed and Decorative, Multicolored Quartz Finish of 171 – 304 mils (4.3 – 7.7 mm)

Description Sikafloor® Quartzite® HDB Heavy Duty Broadcast System is a decorative, 171 – 304 mils (4.3 – 7.7 mm) thick, two layer epoxy floor system. The first layer consists of a 1/8 in (3 mm) thick, trowel-applied heavy duty epoxy screed used to re-profile rough or deteriorated concrete surfaces or to create thin-set slope changes in certain areas in order to provide positive slopes to drains. The second layer is a broadcast and sealed epoxy floor, composed of multicolored quartz aggregates finished with transparent top coats to produce a seamless and aesthetic finish. The system offers high compressive strength and accepts abuse from impact and heavy loading.

- Where to Use**
- Supermarket food preparation areas
 - Hospitals and healthcare facilities
 - Pharmaceutical plants
 - Laboratories
 - Educational facilities
 - Showers and locker rooms
 - Prisons and correctional facilities
 - Arenas and stadiums
 - Offices and government buildings

- 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, 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

TYPICAL DATA

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

Mortar Base Refer to appropriate finish coat product data sheet for physical properties

Properties Tested at 73°F (23°C) and 50 % R.H:

Compressive Strength	ASTM C695	9,195 psi (63.4 MPa)
Tensile Strength	ASTM 638	2,132 (14.7 MPa)
Flexural Strength	ASTM D580	5,360 (39.96 MPa)
Flexural Modulus of Elasticity	ASTM D790	3.04 x 10 ⁶ psi (2.10 ⁴ MPa)
Pull-off Strength	ASTM D4541	> 400 psi (2.7 MPa)
Shore D Hardness (7 days)	ASTM D2240	80
Coefficient of Friction	Dependent on finish coat and texture, refer to component product data sheet for information.	
Flammability (any recommended finish coat)	ASTM E648	Class I

Refer to individual component product data sheets for complete information



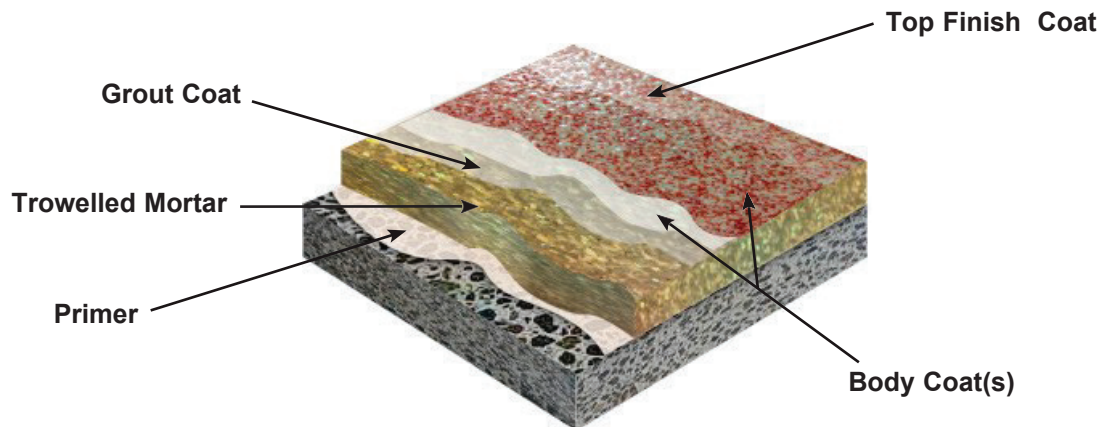
System Build Up

Coating	Product Name	Typical Thickness (mils)
Primer	Sikafloor 161	8
Trowelled Mortar	Sikafloor 160 EpoRok	1/8" - 1/4"
Grout Coat	Sikafloor 217 Thixo Lite	8
Body Coat	Sikafloor 217 ¹ Broadcast to Rejection with Color Quartz	12
Top Coat	Sikafloor217 ¹	16
Optional Top Coat	Sikafloor 225N ²	16
Optional Top Coat	Sikafloor 510 or 510N LPL ³	8 -12
Optional Top Coat	Sikafloor 315N ⁴	3 - 3.5

¹ Sikafloor-217 may be replaced by ² Sikafloor-225N for increased UV resistance compared to traditional epoxies or ³Sikafloor-510/510N LPL for superior UV resistance and increased chemical resistance.

⁴Sikafloor-315N would be an optional top coat over Sikafloor-217 or Sikafloor-225N for increased chemical and abrasion resistance (e.g. reduced scratching and staining, protection from chemical attack)

System Build Up Step Diagram



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