

Sikafloor® Merflex Waterproofing Smooth System

Mechanical Room Waterproofing with solid color smooth finish

Description Sikafloor Merflex Broadcast is a monolithic, flexible, abrasion and slip resistant flooring system that is designed for areas requiring a combined waterproofing membrane and traffic wear surface. The incorporation of broadcast aggregate provides a slip resistant surface for applications such as walkways or areas of spillage.

Where to Use

- Mechanical equipment rooms
- Interior floor spaces where humidity & temperature are micro-controlled
- Access floor systems for computer rooms and offices where liquid lines prevail
- Areas requiring an elastomeric water protection surface that can accept heavier traffic

Advantages

- Tough, durable and seamless floor
- Performance benefits of both an elastomeric membrane & a wearing surface combined in one system
- Crack bridging capabilities
- Flammability ASTM E648 Class I with any recommended finish coat

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.

Sikafloor 330 Urethane Membrane only

Sikafloor - 265 Properties Tested at 73°F (23°C) and 50% R.H:

VOC	2 g/l
Tensile Strength Resin: (14 days / +23°C (DIN 53504)	1,142 psi., 14 days / 73.4°F (~ 8.0 N/mm²)
Shore D Hardness	ASTM D2240 40
Tensile Strength	ASTM D683 1,050 pss (7.2MPa)
Tensile Adhesion Strength	ASTM D4541 520 psi (3.6 MPa) 100% concrete failure
Elongation at Break	ASTM D638 ~ 125%
Tear Strength	ASTM D1938 90 lbs (0.40)
Thermal Resistance	ASTM D635 Self extinguishing
Chemical Resistance	Please consult Sikafloor Technical Services.

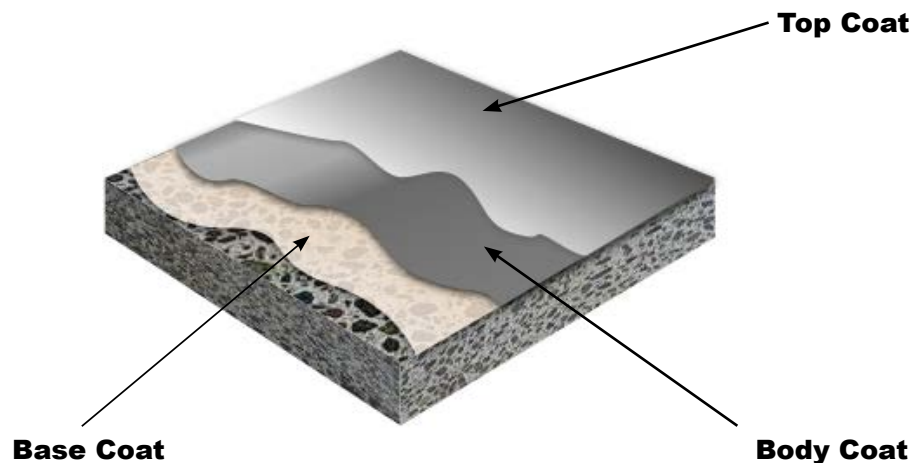
System Build Up

Coating	Product Name	Typical Thickness (mils)
Base Coat	Sikafloor 265 + Sikafloor-Epoxy N Color Add	20 - 25
Body Coat	Sikafloor 265 + Sikafloor-Epoxy N Color Add	20 - 25
Top Coat	Sikafloor 264	10 - 12
Optional Top Coat	Sikafloor 511 ¹	10 -12
Optional Top Coat	Sikafloor 316 N ²	4 -6
Optional Top Coat	Sikafloor 340 ²	4 -6
Optional Top Coat	Sikafloor -510 N LPL ²	4 -6

¹ Sikafloor-511 or 510 N LPL with Sikafloor SCO Color Add would replace Sikafloor-264 as Top Coat for superior UV resistance and good color stability, increased chemical resistance.

² Sikafloor-316 and Sikafloor 340 with Sikafloor SCO Color Add would be an optional top coat on top of Sikafloor-264 for increased chemical and abrasion resistance

System Build Up Step Diagram



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