

# Sikafloor® Merflex U Waterproofing Smooth System

Mechanical Room Waterproofing with solid color smooth finish of 60 – 115 mils

**Description** Sikafloor Merflex U smooth is a monolithic, flexible, and abrasion resistant smooth flooring system that is designed for areas requiring a combined water protection membrane and wearing surface. The system is typically used in mechanical rooms, computer rooms and other areas requiring waterproofing providing flexibility and crack-bridging.

**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
- Solvent free, very low VOC urethane technology
- Performance benefits of both an elastomeric membrane & a wearing surface combined in one system
- Crack bridging capabilities.

**System Build Up**

Coating	Product Name	Typical Thickness (mils)
Primer	Sikafloor 161	10 - 12
Body Coat	Sikafloor 330	40 - 80*
Top Coat	Sikafloor 264	10 - 12
Optional Top Coat	Sikafloor 315 <sup>1</sup>	3 - 3.5
Optional Top Coat	Sikafloor 510 <sup>2</sup>	8 - 10

<sup>1</sup> Sikafloor-315 would be an optional top coat on top of Sikafloor-264 for increased chemical and abrasion resistance (e.g. reduced scratching and staining, protection from chemical attack). Pigmented Sikafloor-315 provides excellent UV resistance and good color stability.

<sup>2</sup> Sikafloor-510 (or 511, 515) would replace Sikafloor-264 as Top Coat for superior UV resistance and good color stability, increased chemical resistance.

\* At applied thickness of 80 mils (2.0mm), Merflex U complies with ANSI 118.10 *American National Standard Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation -2008*

**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.

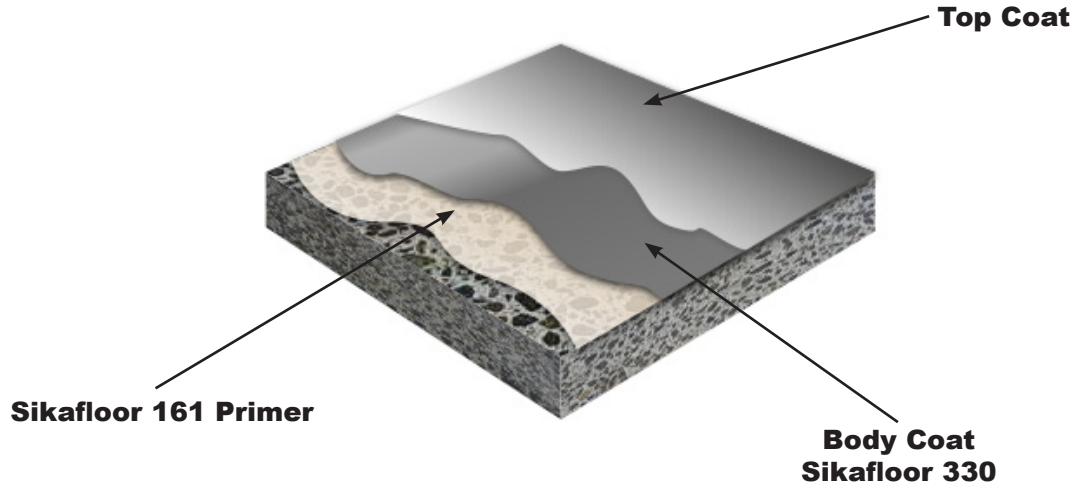
Sikafloor 330 Urethane Membrane only

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

VOC	(g/l) 10 g/l
Tensile Strength Resin: (14 days / +23°C (DIN 53504)	1,142 psi., 14 days / 73.4°F (~ 8.0 N/mm <sup>2</sup> )
Shore A Hardness Resin:	~ 80 (14 days / +23°C) (DIN 53505)
Elongation at Break Resin:	~ 180% (14 days / +23°C) (DIN 53504)
Tear Growth Strength Resin: (ISO 34-1)	142.75 lbs/in (~ 25 N/mm 14 days / +23°C)



# Industrial Flooring



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