

SURGI-FLEX Composite 5-Layer System

Technical Information

Physical Property	Test Method	Nominal 3/8"
Hardness (Shore D)	ASTM D-2240	75-80
Compressive Strength	ASTM D-695 ASTM C-695	17,500 psi 12,500 psi
Tensile Strength	ASTM D-695 ASTM C-307	4,000 psi 2,600 psi
Tensile Elongation	ASTM D-638	7.50%
Flexural Strength	ASTM D-790 ASTM C-580	6,250 psi 4,500 psi
Flexural Modulus of Elasticity	ASTM D-790	6.2 x 10 ⁵
Linear Expansion	ASTM D-696	2 x 10 ⁻⁵
Bond Strength to Concrete	ASTM D-4541	400 psi substrate fails
Indentation	ML D-3134	.025 MAX
Impact Resistance	ML D-3134	Pass
Water Absorption	ASTM D-570	0.04%
Heat Resistance Limitation		140°F-200°F
Flammability	ASTM D-635	Self Extinguishing
Flame Spread/NFPA 101	ASTM E-84	Class B
Abrasion Resistance CS17 Wheel 1000 GM Load 1000 Cycles	ASTM D-4060	24 mg loss
Coefficient of Friction Standard Slip-Resistant Orange Peel Smooth	ASTM D-2047	.9 .8 .7

DESCRIPTION

SurgiTEC Medical Grade Flooring is up to five times stronger than concrete alone. SurgiTEC is a combination of Colored Quartz Aggregate fused together during application into a seamless surface, with specially formulated, high quality, clear, 100% solids, anti-microbial reinforced, Polymeric Epoxy/Urethane formulation. SurgiTEC flooring will protect a new floor from industrial abuse and harsh chemical spillage, and will restore the old floor to a better than new condition. . It is available in three different textures: standard non-skid, orange peel and smooth.

BENEFITS

- Excellent Clarity
- Low Odor
- Meets USDA, FDA, OSHA, GREEN standards
- Superior Adhesion
- Superior Chemical Resistance
- Easy Maintenance
- Anti-microbial

CHEMICAL RESISTANCE

This product is resistant to many common chemicals use in surgical and medical applications. Please refer to the master "Chemical Resistance Chart" for actual resistance to specific chemicals and reagents.

MOISTURE CONCERNS

Moisture vapor transmission in the slab should be measured prior to application of SurgiTEC polymeric system to ensure a long lasting, durable installation. Please refer to PCMS representative for more information.

CLEANING

This product is considered to be a low maintenance flooring solution, however, certain textures and service environments require specific procedures. Please refer to PCMS representative for more information.

CAUTION

Follow the hazardous Materials Identification System labeling guid for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN.