


Flexi-Tile Technical Specifications

Technical Specification	Standard	Units of Measurement	Flexi-Tile Coin 20.5" x 20.5"	Flexi-Tile Diamond 20.5" x 20.5"	Flexi-Tile Homestyle 18" x 18"	Flexi-Tile Commercial 20.5" x 20.5"	Flexi-Tile Industrial 20.5" x 20.5"	
Thickness		mm	4.5	4.5	5	5	7	
Material			PVC SGI1.40	PVC SGI 1.37	PVC SBI1.40	PVC SGI1.40	PVC SGI1.37	
Hardness	IS0868	Shore A	80	80	80	80	92	
Abrasion	DIN50504	Nmm	15	15	15	15	17	
Wear Resistance	DIN53516	mm	87.9	87.9	87.9	87.9	90.6	
Moisture Absorption	ASTM D-0471		Less than 3% by weight (72H@70F)					
Specific Gravity	ASTM D-792		1.37 (+/- 0.02)	1.37 (+/- 0.02)	1.37 (+/- 0.02)	1.37 (+/- 0.02)	1.37 (+/- 0.02)	
Tensile Strength	ASTM D-638	psi	2700	2700	2700	2700	2700	
100% Modulus	ASTM D-412	psi	2700	2700	2700	2700	2700	
Dielectric Strength	ASTM D-149-97A	KV	Exceeds 45	Exceeds 45	Exceeds 45	Exceeds 45	Exceeds 45	
Flame Spread	DIN51960		Class 1	Class 1	Class 1	Class 1	Class 1	
Fire Resistance	ANSI/ASTM E648979	A/NFPA235 1995 Critical Rad Flux	Class 1	Class 1	Class 1	Class 1	Class 1	
Electrical Resistance	DIN 53582	Ohms	1X10 14	1X10 14	1X10 14	1X10 14	1X10 14	
Anti-Slip	ASTMC 1028/89	Co-efficient of	Very Good	Very Good	Very Good	Very Good	Very Good	
Dimensional Stability	NF EN404	%	.040	.040	.040	.040	.040	
Chemical Resistance	DIN 51958						Good	
Hydrochloric Acid * 96% Ethanol * 100% Acetic Acid * 100% Nitric Acid * 69 % Sulfuric Acid * 98% Chomic Acid 40% Toluene, Trichloroethylene, Acetone, Engine Oils, Gasonline, Urine								
Standard Indentation	ND EN 433	Inch						
* Under Load			1.40	1.30	1.40	1.40	1.57	
* Load Removal			.20	.17	.20	.20	.50	
Anti-Static*	Special 1x108	Anti-Static Tiles						
UV Stability**			Good	Good	Good	Good	Good	
Sound Absorption	db	Up to 48 db	Up to 40db	Up to 40db	Up to 40db	Up to 40db	Up to 40db	
Thermal Resistance	BS4745		Good	Good	Good	Good	Good	
Thermal Conductivity	BS4745		Good	Good	Good	Good	Good	
* Anti-static tiles available in dark grey only (minimum order 650 sq feet) * UV Stability can be added to prevent fading on tiles to be installed in direct sunlight (min order 650 sq feet)								
 Black and Dark Gray tiles are 100% recycle PVC. Our colors are no less than 15% recycle material by volume								