

# Technical Specifications

## Perfection Floor Tile

Technical Specification Tile Dimension	Standard	Units of Measurement	Coin / Diamond 20.5" x 20.5"	HomeStyle 20" x 20"	Natural Stone 20" x 20"	Commercial 20.5" x 20.5"	Industrial 20.5" x 20.5"	
Thickness Material		mm	4.5 PVC SGI1.40	5 PVC SGI1.40	5 PVC SGI1.40	5 PVC SGI1.40	7 PVC SGI1.40	
Hardness	ISO868	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 E648/979	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	Very Good	Very Good	Very Good	Very Good	Very Good	
Dimensional Stability	NF EN404	%	0.04	0.04	0.04	0.04	0.04	
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, Gasoline, Urine							
Standard Indentation	ND EN 433	Inch						
* Under Load			Coin: 1.40 - Diamond:1.30	1.40	1.40	1.40	1.40	
* Load Removal			0.20	0.20	0.20	0.20	0.20	
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 1000 sq feet)

Floors should be protected from sharp-point loads and heavy-static loads.

**4.5 and 5mm** T-Joint and Hidden Interlock tiles are the most economical solution for most applications. This tile can be laid quickly with minimal disruption over any hard surface. Perfect for residential home interior, garages, foot traffic, storerooms, locker areas, offices, vestibules, lobbies, and thousand of other uses.

**5mm** Commercial T-Joint is a popular commercial interlocking tile. Heavy Duty Tile, each tile can hold up to 15,000 lbs with no indentation. The popular T-Joint holds tightly and gives maximum performance under virtually all conditions. Ideal for use in auto repair facilities, high traffic areas, service shops, factories, warehouses, hangars, military installations, and many other commercial or industrial applications.

**7mm** T-Joint is our thickest, and strongest interlocking tile. A Heavy Duty Tile, each tile can hold up to 20,000 lbs with no indentation. Ideal for harsh, demanding environments such as loading docks, heavy manufacturing areas, airports, heavy truck facilities, mining operations, fork lift traffic, and many other commercial or industrial applications.

If you have questions feel free to contact: Elite Xpressions 361-906-0863, or [kim@elite-xpressions.com](mailto:kim@elite-xpressions.com)

