

SoftILE KrosLOCK TECHNICAL SPECIFICATIONS

CRITICAL FALL HEIGHT & PHYSICAL DIMENSIONS

Thickness	Weight (lbs.) Ea. (Not less than...)		Critical Fall Height (Ft) (Performance Warranty)	
	Plus	Premium (EPDM)	Plus	Premium (EPDM)
1.75"	21.5	21.5	3.0	3.0
2.00"	24.0	23.5	4.0	4.0
2.25"	23.0	23.5	5.0	5.0
2.50"	24.0	24.5	6.0	6.0
2.75"	25.0	26.0	7.0	7.0
3.25"	28.5	29.0	8.0	8.0
3.50"	29.5	30.0	9.0	9.0
3.75"	31.0	31.5	10.0	10.0

PHYSICAL PROPERTIES

Test Description	ASTM Ref.	Results	Test Lab	Test Date
Impact Attenuation	F1292-99	<150 GMAX <850 HIC	DTL	0203
Freeze Thaw	C67	No deterioration	SGS	1298
Rubber Deterioration/Air Oven	D573	No deterioration	SGS	1298
Slip Resistance	E303	Dry 102 Wet 62	SGS	0998
Slip Resistance	D2047	Dry .81 Wet .82	SGS	0299
Compression Deflection	D1667	29.5 PSI to 25% Compression	NWL	0195
Compression Set	D395	4.37% Permanent Set	NWL	0195
Tensile Strength	D412	107 PSI	SGS	0299
Elongation at Break	D412	165%	SGS	0299
Tear Strength	D624	33.1 Lbs/Inch	SGS	0299
Wear Surface Density (Durability)		>60 Lbs/CuFt		
Flammability - Burning Pill Test	D2859	Pass	NWL	0195
Flammability - Roof Covering	E108	Class A (Premium)	FMR	0299

SoftILE is manufactured to be 24"X24" with a tolerance of +/- 1/8th" due to heat related expansion and contraction of rubber products.

PACKAGING INFORMATION

Thickness	Peices Per Pallet	Pallet Weight	Pallet Height	Other Packaging Information
1.75"	150	3225	50.00	Standard Pallet Size - 51"x72"
2.00"	90	2160	36.00	
2.25"	114	2820	51.00	Standard Pallets in 48' Van = 22
2.50"	108	2646	52.00	
2.75"	96	2496	50.00	
3.25"	84	2436	51.50	
3.50"	78	2323	51.50	
3.75"	72	2232	51.00	

TEN YEAR LIMITED WARRANTY INFORMATION Materials & Workmanship & Performance to ASTM F1292-04

Number of years from date of original installation to date of claim	Percentage of purchase price of product found to be defective or in non-compliance
0-6	100%
More than 6, but less than 7	60%
More than 7, but less than 8	40%
More than 8, but less than 9	30%
More than 9, but less than 10	20%

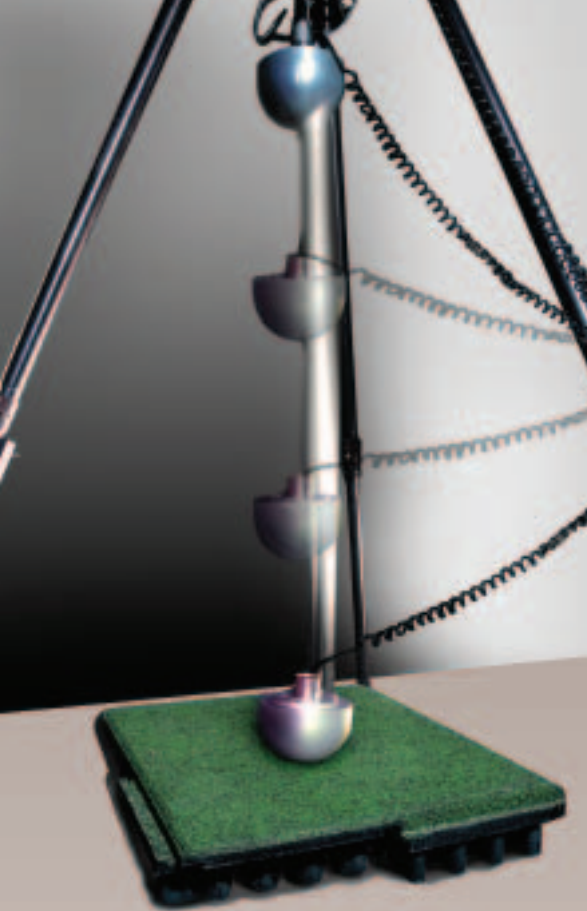
SofSURFACES Inc.

SoftILE
KrosLOCK

Leaders In Locking Safety Tiles.

INTRODUCING THE INDUSTRY'S FIRST AND ONLY
10 YEAR

WARRANTY
Materials & Workmanship
INCLUDING
Impact Attenuation
to ASTM F1292



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**Leaders In Locking
Safety Tiles.**

With over 7 million square feet of installations on over 4,000 playgrounds across North America, SofSURFACES has long been recognized as a leader in the design and manufacture of unique, interlocking safety surfacing systems.



In our pursuit of the ultimate locking system we have remained focused on the four key indicators that define a quality system. We believe these indicators to be fall protection, durability, long-term value, and of course the necessity to have a system that can be effectively and easily secured on site to eliminate the potential for vandalism. In keeping with this focus we offer you SofTILE KrosLOCK.

SofTILE KrosLOCK is the result of over fourteen years of formulation and design modification which has culminated in a product that meets and exceeds the customers' expectations in each of the four critical performance categories.

PLUS SERIES

The SofTILE Plus series is manufactured using elongated rubber buffings on the wear layer for increased abrasion resistance. Various colors are created using specially formulated pigments.

The Plus series offers four standard colors including Terra Cotta, Turf Green, Blue, and Basic Black.

The SofTILE Plus series is ideally suited for tough urban environments where safety, durability and vandal resistance are the primary surfacing priorities.



SofTILE

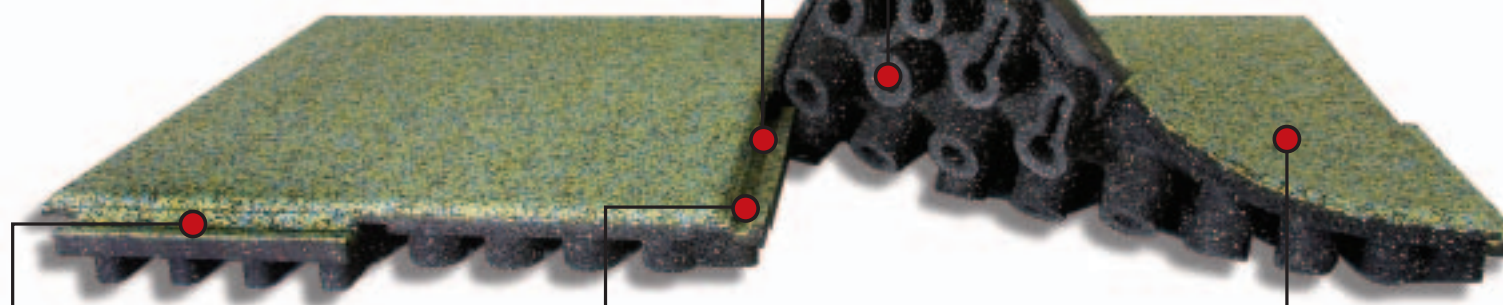
Kros LOCK

PATENT U-SHAPED LOCKING MECHANISM

- Vandal resistant design **locks** tiles securely in place
- Creates a unitary surface providing all of the benefits of poured-in-place
- Eliminates any potential for gaps or curling at seams
- Designed to be installed over a compacted aggregate sub-base eliminating the necessity for concrete work
- Reduces adhesive requirements by 90% over competing products

HOLLOW CORE IMPACT PEDESTAL DESIGN

- Provides for the highest drop height rating available
- High compression design increases longevity
- Reduces weight/cost
- Provides easy drainage to sustain a dry play surface
- Prevents upward migration of dirt into the body of the tile, preserving impact attenuation performance



OMNI DIRECTIONAL LOCKING DESIGN

- Allows for installation in any direction reducing installation time and cost
- Virtually eliminates waste from cutting

EPDM WEAR LAYER

- Compressed to over 60 pounds per cubic foot in density resulting in a product that is nearly twice as durable as any poured-in-place surface
- Brighter, longer-lasting color that provides maximum color stability & longevity
- Eliminates traffic patterns and color transfer often seen in pigmented tiles
- Allows for a wide variety of custom color combinations to meet the most challenging of designs

THE INDUSTRY'S **FIRST** 10 YEAR PERFORMANCE GUARANTEE FOR DROP HEIGHT COMPLIANCE TO ASTM F1292-04.

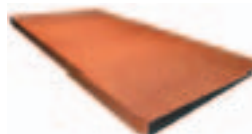
ACCESSORIES



Outside Corner



Inside Corner



SofRAMP ADA



SofRAMP Jr.



SofCURB

PREMIUM SERIES

The SofTILE Premium series is manufactured using virgin EPDM rubber on the wear layer.

Standard color offerings include black, green, blue, brown, beige, yellow, terra cotta, and purple. Any combination of these colors can be used to create a speckled appearance.

Pattern, texture and color capabilities are the hallmarks of the Premium series making SofTILE Premium the ideal choice for applications where architectural cohesiveness is a primary design consideration.



When SofTILE Locks It Stays Locked



In addition to meeting and exceeding all applicable ASTM and CPSC standards, SofSURFACES is constantly looking for unique ways to push our products to the edge of their performance capabilities and our clients expectations. This can be seen in our most recent research designed to provide quantifiable evidence of the superiority of SofTILE's locking system.

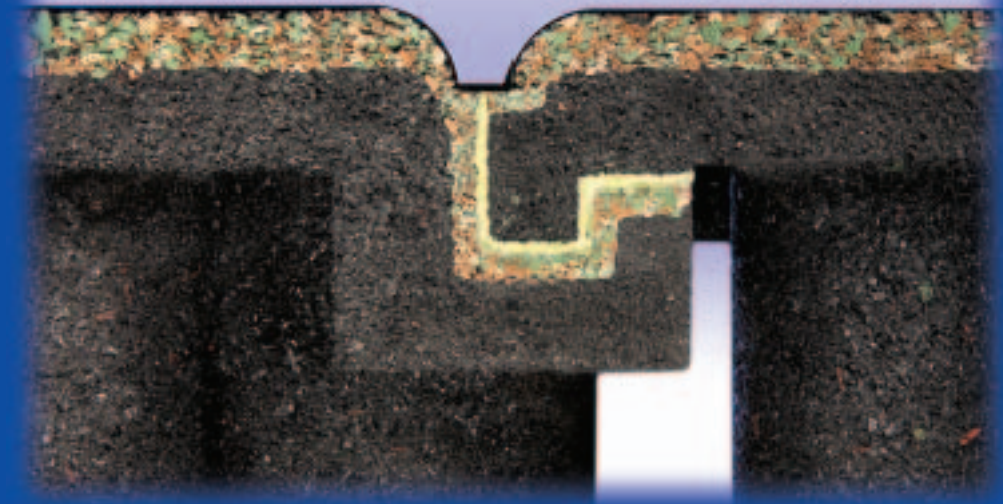
SofTILE KrosLOCK stood up to over 1400 pounds of continuous pull force before beginning to show partial separation on one of the 12 locking joints. Transferring this type of pull resistance into the playground setting ensures that SofTILE's patent U-shaped locking system maintains a tile-to-tile connection that will not separate even under the most extreme force.

When installed to the manufacturers specifications our KrosLOCK system creates a monolithic, vandal resistant surface that will not curl, shift or allow gaps to form between tiles.

SofTILE KrosLOCK also reduces cost through ease of installation, reduced adhesive requirements, and it's ability to be installed over a compacted aggregate sub-surface thus eliminating the requirement for higher cost concrete work.

"With our school being located in an area where vandalism is a fact of life, my reluctance to consider the use of safety tiles for our playground was understandable. A decision was made however to invest in an interlocking tile safety surface in spite of our concerns about the high incident rate of vandalism in our neighborhood. That was three years ago and I am happy to report that the locking tiles are as secure today as they were the day we put them in place."

Sherry Clouthier - Formosa Public School



Continuous Pull Force Test



Superior Fall Protection Superior Durability



SofTILE's precisely engineered hollow core impact pedestal has been specifically designed to absorb the impact of a fall through mechanical recoil action.

By incorporating a thin hollow core into the impact attenuating layer of the surface we have ensured that SofTILE's cushioning properties are not affected by our density and durability standards. In addition, SofSurfaces internal protocol specifies that all SofTILE systems must perform a minimum of 20% better than the ASTM F1292-04 standard when tested under laboratory conditions. This rigorous internal benchmark allows SofSurfaces to provide an industry leading 10 year warranty on fall protection without compromising density and durability characteristics.

SofTILE's hollow core impact pedestal is a design breakthrough that provides you with the very best of both worlds, guaranteed impact absorbing properties, plus uncompromised density and durability, ensuring your surface's long-term performance in the most unforgiving environments.



All Rubber Surfaces Are Not Created Equal

“After purchasing poured-in-place for our first playground, we were somewhat apprehensive when your sales rep. recommended we try SofTILE for our second playground. We now find the tile surface is more durable, and better looking than our poured surface. We are now making plans to replace our original poured-in-place with a new SofTILE interlocking safety surface.”

Sandra Johnston - Kitty Corner Child Care

Field verification was conducted on SofTILE and poured in place sites across North America in order to evaluate the long-term effects of wear and tear in typical high use areas.

In every instance the superior density associated with SofTILE has achieved the desired result of exceptional long-term durability and abrasion resistance. Density correlates into longevity and the degree of density created by our patent three step compression molding

process simply cannot be achieved by the manual compression techniques utilized in cast-in-place installations.

At over 60 pounds per cubic foot SofTILE will out wear, out last and out perform any competing product of its kind.

Typical Wear Patterns Seen After 5 Years of Heavy Use



With this type of durability it's no wonder progressive designers are now specifying SofTILE under high traffic areas within a poured-in-place application.

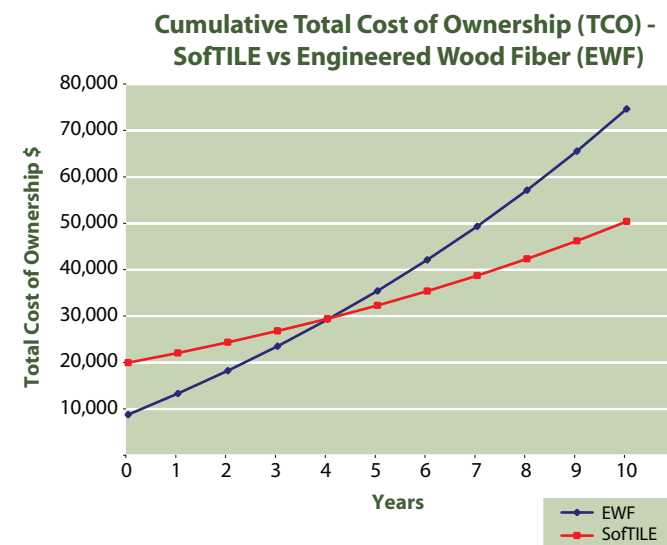


The Value Equation

While the initial purchase cost for a loose fill surface is lower when compared to a unitary surface such as SofTILE, the true costs of utilizing a loose fill surface over the long term must also be considered.

Costs such as top up, maintenance, inspection and non-compliance to ASTM F1292-04 must be factored into the equation. The graph below considers over 20 factors associated with the cost of ownership for both SofTILE and engineered wood fiber over a period of four years. This information was derived from the most recent costing figures obtained through market research over a broad geographic region.

According to the graph below, SofTILE becomes the most cost effective solution after a four year time line. To build a cost comparison using factors unique to your playground please visit our web site at www.sofsurfaces.com



Consider this... after a SofTILE installation:

- there is no top up required
- there is no maintenance required
- inspections can be done visually in seconds
- and most importantly your surface is always in compliance - *guaranteed!*



Which surface is providing you with better value?



To learn more about the features and benefits of SofTILE KrosLOCK please contact us at 800-263-2363 or contact your local representative below.

LOCAL SALES REPRESENTATIVE:

“This is just a quick note to let you know how pleased we are with the rubber tile outdoor flooring. We have installed this material at both centers and have been amazed at how much it has changed the children’s outdoor play. There has been a lot more tumbling and rolling on the ground. The tiles make an excellent art medium (work great with sidewalk chalk). After having worked in centers using pea gravel and bark mulch, I think that this type of flooring is the only way to go. Great product!”

S. Timble - Douglas College Early Childhood Education Center