



Technical specifications DuraTrain (3.18 cm.) and DuraSound rubber fitness tiles.

Size	All tiles are 610x610 mm. after installation.			
Thickness	3.18 cm.	5.08 cm.	6.98 cm.	8.26 cm.
Weight	8.66 kg.	11.55 kg.	14.90 kg.	15.5 kg.
Bottom Pedestals	solid	hollow	hollow	hollow
Density	913 kg/m3	886 kg/m3	996 kg/m3	
Shock absorption	53.1%	60.3%	64.2%	
Vertical deformation	4.7 mm.	6 mm.	7.1 mm.	
Energy restitution	51.3%	49.3%	50%	

Edge detail : Built-in U-shaped interlocking KrosLock® design. Bevelled edge, 2 mm. all around.
 Wear Layer : Buffings of recycled truck tyres only.
 Bottom layer : Granules of recycled truck tyres only.
 Binder : 12% Polyurethane Binder.

Test Description	Results	ASTM Ref.	Test Lab.
Temperature range	-30 to 80 degrees Celsius		INT.
Hardness	60 +/- 5 shore A		INT.
Freeze Thaw	No deterioration	C67	SGS
Deterioration air/oven	No deterioration	D573	SGS
Slip resistance	Dry 102 Wet 62	E303	SGS
Slip resistance	Dry .81 Wet .82	D2047	SGS
Anti slip property	R10		INT.
Coefficient of friction	>0.3μ		INT.
Compression deflection	29,5 PSI to 25% comp.	D1667	NWL
Compression set	4,37% Permanent set	D395	NWL
Tensile strength	107 PSI	D412	SGS
Tensile strength	+/- 1 N/mm2		INT.
Elongation at break	165%	D412	SGS
Tear strength	6.76 kg/cm	D624	SGS
Wear Surface Density	>33kg/30dm3		
Flammability	Class 2	E648	QAI
Burning Pill Test	Pass	D2859	NWL
Fire Classification	Efl		



Acoustical properties :

Overview test results on noise reduction. Reports made by Riverbank Acoustical Laboratories available on request.

dB-A noise reduction (Impact Noise by Kettlebells dropping on tiles). Numbers shown is the difference in sound between dropping the weights on concrete or on the tiles presented in the change of SPL. The higher the number the better the tile performs.

Thickness	24,5 lbs - 36 inch 11.11 kg - 91 cm.	24,5lbs - 60inch 11.11kg - 152 cm.	54.5lbs - 36 inch 24,72kg - 91 cm.	54.5lbs - 60 inch 24,72kg - 152 cm.
1.25 inch - 3.18 cm.	26,8	22	21,5	19,5
2 inch - 5.08 cm.	34,4	30,8	31,6	26,6
2.75 inch - 6.98 cm.	41,7	38,8	40,6	35,8
3.25 inch - 8.26 cm.	38,4	38	41,7	37,3

“Data overview ISO 10140-3 Impact Sound Insulation measured by the Tapping machine` presented in dB.”

A tapping machine drops weights of only 500 grams from 40 mm. height only.

	ΔL_w	ΔI_{in}	$L_{n,w}$	$L_{n,r,w}$
1.25 inch - 3.18 cm.	23	12	51	55
2 inch - 5.08 cm.	25	14	49	53
2.75 inch - 6.98 cm.	26	14	48	52
3.25 inch - 8.26 cm.	28	16	48	50

“Data overview ISO 10140-2 Airborne Sound Insulation: measuring the sound reduction of airborne sound going through the tiles.”

	R_w : weighted Sound Reduction Index = SRI
1.25 inch - 3.18 cm.	55
2 inch - 5.08 cm.	53
2.75 inch - 6.98 cm.	54
3.25 inch - 8.26 cm.	55

Data overview ASTM E90:
Airborne Sound Transmission.

	STC = Sound Transmission Class
1.25 inch - 3.18 cm.	55
2 inch - 5.08 cm.	53
2.75 inch - 6.98 cm.	54
3.25 inch - 8.26 cm.	55

Data overview ASTM E492:
Impact Sound Transmission.

	IIC = Impact Insulation Class
1.25 inch - 3.18 cm.	56
2 inch - 5.08 cm.	57
2.75 inch - 6.98 cm.	57
3.25 inch - 8.26 cm.	55

Data overview ASTM E2179 : Effectiveness in Floor Coverings.

	ΔIIC = Increase in Impact Insulation Class		ΔL_w = weighted Reduction of impact Sound Pressure level
1.25 inch - 3.18 cm.	26	1.25 inch - 3.18 cm.	23
2 inch - 5.08 cm.	28	2 inch - 5.08 cm.	25
2.75 inch - 6.98 cm.	28	2.75 inch - 6.98 cm.	26
3.25 inch - 8.26 cm.	27	3.25 inch - 8.26 cm.	28

DuraFLEX will be rebranded during 2016 to **duraTRAIN**



Indoor Air Quality :

All SofSurfaces products meet the Floorscore® requirements on air emissions for indoor use.

Reports available on request.

For more info : www.scsglobalservices.com/floorscore



DuraTrain is now Floorscore certified. Floorscore® provides third-party certification that products are tested and comply with the California Department of Public Health (CDPH v1.1) Standard Method for testing and Evaluating Volatile Organic Chemical (VOC) Emissions. As part of FloorScore® certification, manufacturing processes, supply chain, and chemical sources are also verified and audited.

FloorScore® certified flooring products contribute to Low Emitting Material credits under The U.S. Green Building Council's (USGBC) LEED rating systems, Green Globes and the Collaborative for High Performance Schools (CHPS) , a measurable standard set for educational facilities.

Interlocking System:

All tiles have the unique KrosLock interlocking system. When installed under compression the tiles will stay in place.

