

09 65 66/GEP
BuyLine 4102

Taraflex® Sports Flooring



Taraflex® Sports Flooring

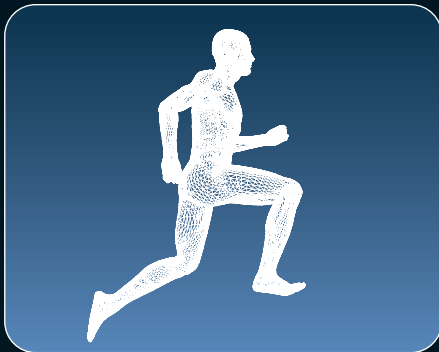
The only flooring that makes the impossible **possible**

Protection, Performance ...

Taraflex® by Gerflor provides the protection our young future athletes need while giving world record breaking Olympians the performance they want, and doing that consistently for almost 60 years. However, we do not just provide outstanding shock absorption for protection nor do we just design our floors for perfect ball bounce.

Protection and performance do not stop there with Taraflex®.

There is much more to Taraflex® than that ...



Biomechanics

We adapt our flooring to the needs of the human being and not the other way around! Several decades of close collaboration with some of the most prestigious biomechanics laboratories in the world have helped us develop sports flooring adapted to the very different body structures and needs of children, teenagers, adults and athletes.



“We are working closely with Gerflor with the objective of creating sports flooring that is best adapted to the human body, for children as well as international athletes.”

Benno Nigg

Director, Human Performance Laboratory,
University of Calgary, Canada

Your Needs

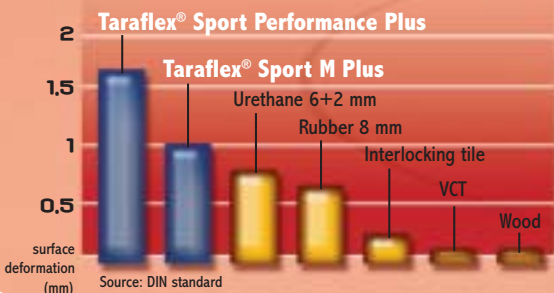
09 65 66/GEP
BuyLine 4102

our technology - a winning combination



Comfort

The surface deformation and cushioning of our sports flooring offers high levels of comfort, whether you are diving for a ball or just standing!



Perfection

The ideal versatile flooring solution for your facility's aesthetic and functional needs.



No Vibrations – No Area Deflection

The greater the area deflection of a sports floor, the greater the risk of vibration, injuries and “dead spots.”



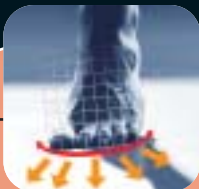
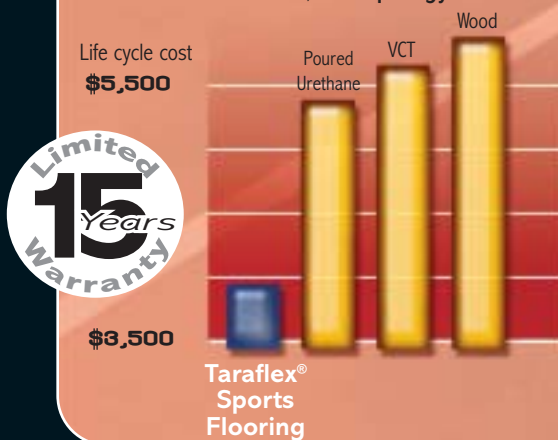
Taraflex[®] Sports Flooring



Suspended wood sports floor

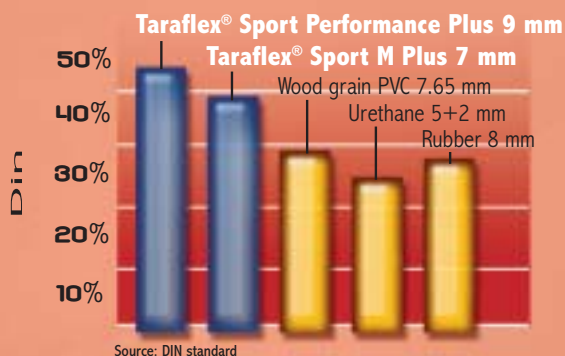
Lowest Life Cycle Costs Over 30 Years

Annual cost of a 10,000 sq. ft. gymnasium



Shock Absorption

WARNING - A thicker floor does not always guarantee greater shock absorption.



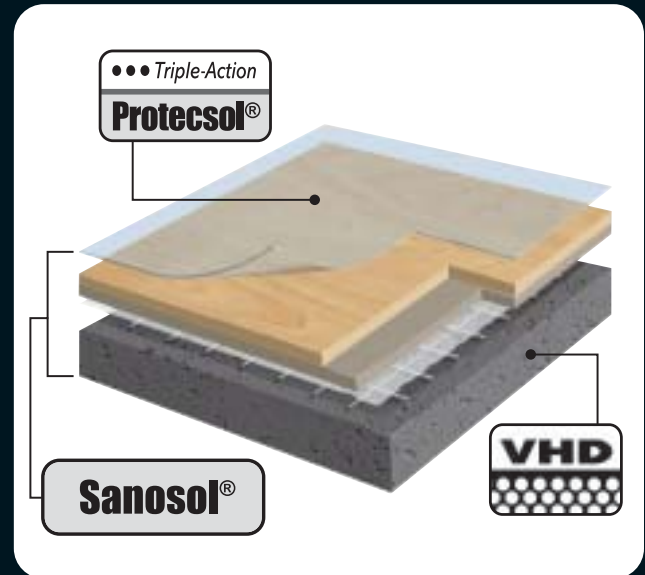
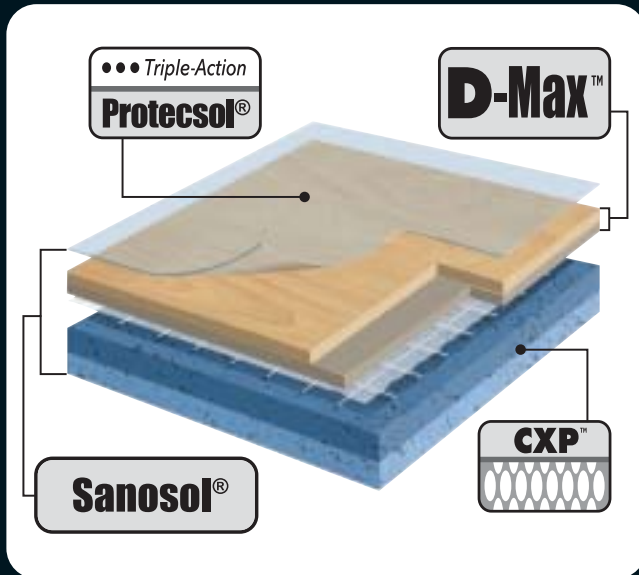
Environmentally Friendly

100% recyclable

ISO 14001 certified



The top to bottom secrets of a winning, high durability sports floor.



●●● Triple-Action
Protecsol®

Triple-Action Protecsol®

This unique and patented surface treatment offers three key benefits:

- An “intelligent” surface treatment which offers the correct amount of “grip” or “slide” depending upon the type of movement the player requires i.e. the “grip” is firm when the sports person chooses to accelerate but will allow the foot to “slide” when the player chooses to pivot.
- A “friction burn free” surface. All players regardless of age, ability or whether diving or sliding can be assured that the heat generated between them and the floor will be extremely low and insufficient to cause discomfort.
- An ultra low maintenance floor. Unlike many other surfaces Taraflex® floors do not require emulsion dressings or polish to keep them in top class condition. This eliminates the need for costly applications and downtime making them an extremely economic installation.

D-Max™

D-Max™ multi-layer surface

The new D-Max™ multi-layer surface is the result of a unique process where calendared and pressed PVC layers of different densities are combined with a reinforced non-woven fiberglass grid to produce a highly resistant surface layer. This provides greater indentation resistance and shock absorption while also increasing the overall durability of the multi-layer surface.

CXP™

CXP™ double density foam backing

A revolutionary process in foam backing manufacturing – Cellular Xtreme Process. This optimization of the size and shape of the closed cells guarantees the sports person even greater comfort and safety without compromising indentation or secure footing.

VHD™

VHD™ foam backing

(Multi-Use 3.0 AED/Design only)

The combination of a Very High Density (VHD) foam backing and a reinforced fiberglass grid spreads the load or impact over the surface giving even greater indentation resistance and shock absorption.

Sanosol®

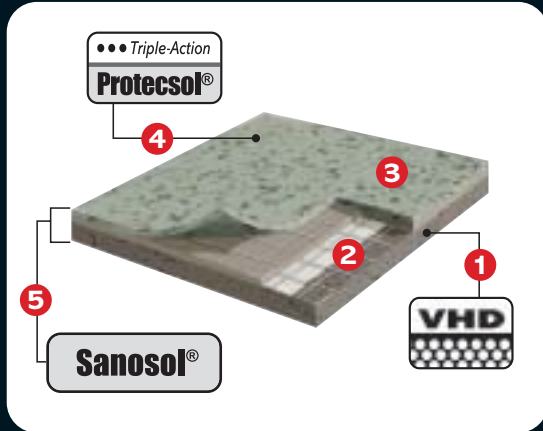
Sanosol®

Absolute hygiene guaranteed thanks to this bacteriostatic and fungicidal treatment throughout the product which lasts the lifetime of the sports flooring. Particularly important where there is a risk of food spills.

Taraflex®

Multi-Use 3.0

Total thickness: 0.12" (3 mm)

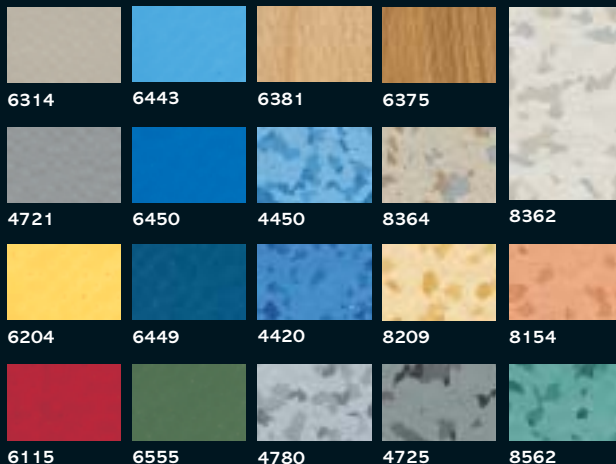


- 1 VHD closed-cell foam backing (AED/Design only)
- 2 Fiberglass grid
- 3 100% pure vinyl wear layer
- 4 Triple-Action ProtecSol® surface treatment
- 5 Sanosol® antibacterial fungicidal treatment

THE SOLUTION FOR INTENSIVE MULTIPURPOSE USAGE INCLUDING LEISURE ACTIVITIES

Specifically designed for durability for extreme multipurpose usage with additional sports benefits such as comfort, safety and excellent playability.

- Unrivalled durability – over 9 times greater wear resistance compared to VCT.
- Noise reduction up to 18 dB.
- Vast color range – 8 Appearance Enhancing Designs (AED), 9 solid colors and 2 wood visuals.
- Triple-Action ProtecSol® for ease of maintenance and also for protection from friction burns and superior playability because of its “intelligent” sliding coefficient.

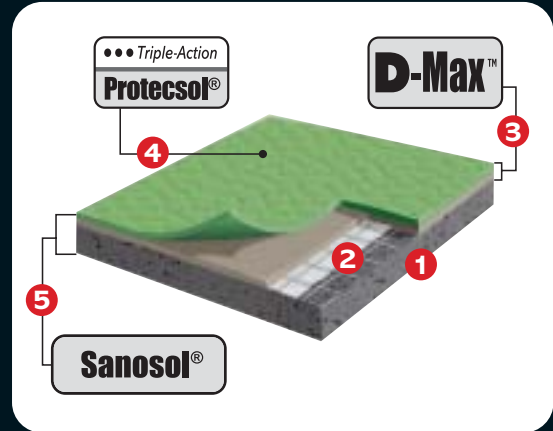


Taraflex®

09 65 66/GEP
BuyLine 4102

Multi-Use 5.0

Total thickness: 0.20" (5 mm)



- 1 Closed-cell foam backing
- 2 Fiberglass grid
- 3 D-Max™ multi-layer surface
- 4 Triple-Action ProtecSol® surface treatment
- 5 Sanosol® antibacterial fungicidal treatment

THE LEADER IN ITS CLASS

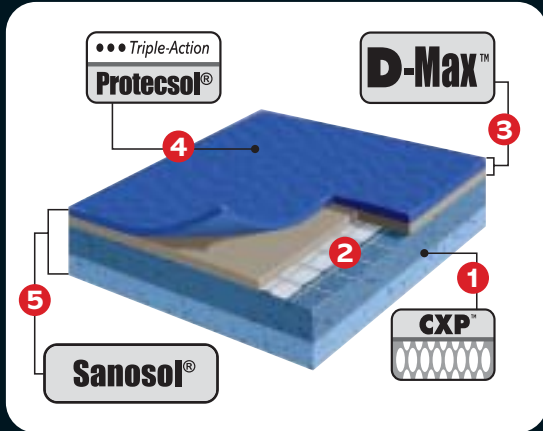
The new Multi-Use 5.0 has advanced! We have added the D-Max™ multi-layer surface which not only boosts the resistance to indentation, but also greatly increases user protection. Multi-Use 5.0, as always, is several steps ahead of the competition.

- The ideal flooring for those learning to play sports.
- Highly durable D-Max™ multi-layer surface – an extra plus for multipurpose usage.
- Greater choice of sports solid colors and wood visuals.
- 27% shock absorption – leader in its class.
- Over 98% accurate ball bounce.



Taraflex® Sport M Plus

Total thickness: 0.28" (7 mm)



- 1 CXP™ closed-cell foam backing
- 2 Fiberglass grid
- 3 D-Max™ multi-layer surface
- 4 Triple-Action ProtecSol® surface treatment
- 5 Sanosol® antibacterial fungicidal treatment

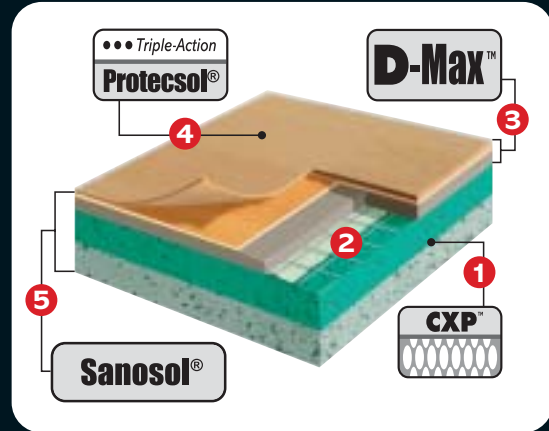
THE ORIGINAL AND STILL THE MARKET BENCHMARK

Just when you thought perfection couldn't get any better, the new generation Taraflex® Sport M Plus has done just that. A new, even more dynamic foam backing, the CXP™ double density technology associated with a new multi-layer surface, D-Max™, has moved the bar higher again.

- Over 35% shock absorption.
- Over 98% accurate ball bounce.
- Even greater value for your money.
- Available in a broad range of colors and designs.

Taraflex® Sport Performance Plus

Total thickness: 0.35" (9 mm)

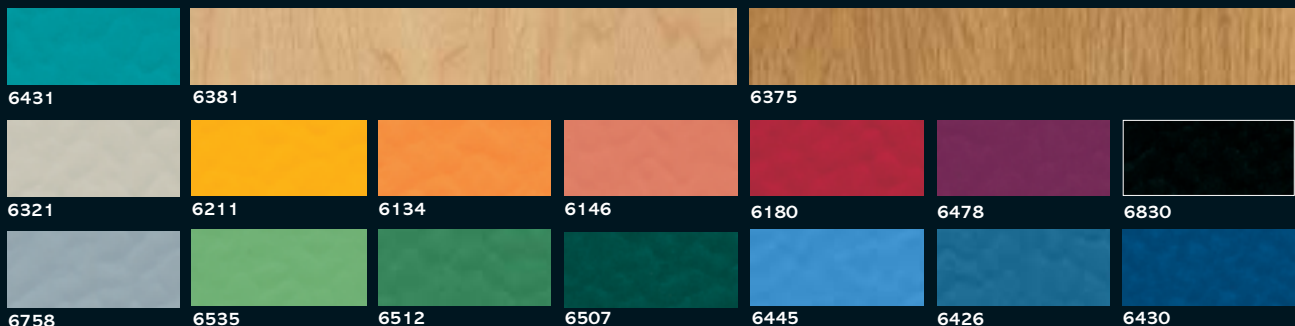


- 1 CXP™ closed-cell foam backing
- 2 Fiberglass grid
- 3 D-Max™ multi-layer surface
- 4 Triple-Action ProtecSol® surface treatment
- 5 Sanosol® antibacterial fungicidal treatment

UNBEATABLE PERFORMANCE AND COMFORT

The new CXP™ double density foam backing combined with the new multi-layer surface, D-Max™, has made Taraflex® Sport Performance Plus simply the highest performance vinyl sports flooring on the market. Totally new sensations in comfort for the protection of all sports persons and especially the most risk prone – children. Experience unequalled safety with over 41% shock absorption that considerably minimizes the risk of injury.

- Broad versatility in sports adapted both to the needs of growing children and performance seeking athletes.
- The leader in exceptional protection and comfort.
- Over 41% shock absorption.
- Incredible playability with over 98% ball bounce.
- Available in a broad range of colors and designs.

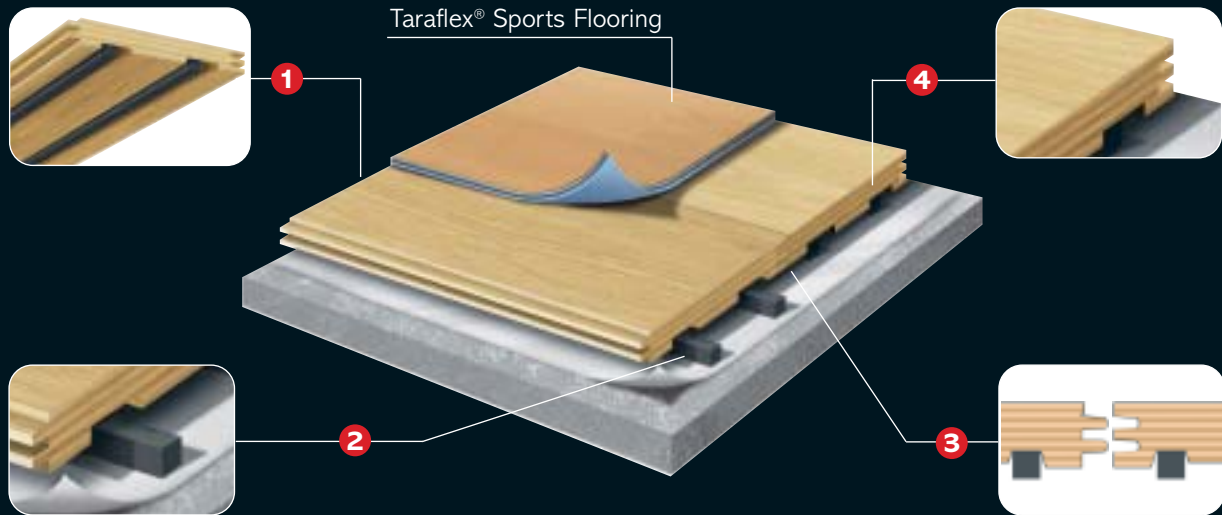


Taraflex® Evolution*

Thickness: 1 1/8" (28 mm)

DIN
CERTIFIED

09 65 66/GEP
BuyLine 4102



- 1** Patented, factory engineered plank with shock pads incorporated for rapid installation and immediate performance.
- 2** Cross-linked, closed-cell EVA foam strips for the ultimate in resiliency.

- 3** Double tongue and groove locking system for stability and durability.
- 4** The toughest plywood on the market – 15 ply Birchwood plywood to resist the heaviest point loads.

You say you want a **rEvolution...**

The revolutionary Taraflex® Evolution System transforms an entire gym or arena into a high performance, safe, comfortable sports and multiuse facility. The new Taraflex® Evolution System brings together a wood substructure with DIN certification and a durable, multipurpose resilient vinyl surface for the most versatile sports floor available.

True low profile, engineered & patented system

- Only 28 mm in thickness.
- Minimal ADA ramping.
- Can be installed directly over an existing floor.

Outstanding stability

- 75% more stable than hard maple.
- Expansion and contraction minimized.
- No acclimatization required.

Unbeatable durability

- Can be used for non sports activities – graduation ceremony, exams, etc. ...
- Withstands the highest loads typically found in a sports facility such as multiple row telescopic bleachers.

Consistent performance

- Certified in all DIN criteria - the most demanding sports flooring standard in the world.
- Over 61% shock absorption across the entire floor.

Reduced cost of maintenance

- No resurfacing or rewaxing EVER.
- No costly air-conditioning bills to maintain constant temperatures as required for a traditional hardwood floor.

Incredible ease and speed of installation

- Minimal down time - can be installed up to 5 times faster than a traditional wood floor.

Can be combined with any product from the Taraflex® point elastic range

...well, now you've got it!

*combined with Taraflex® Sports Flooring

Technical Data

	STANDARD	UNIT	TARAFLEX® MULTI-USE 3.0			TARAFLEX® MULTI-USE 5.0		TARAFLEX® SPORT M PLUS	TARAFLEX® SPORT PERFORMANCE PLUS	TARAFLEX® EVOLUTION	TARAFLEX® ISOLSPORT
			AED ¹	Wood Design	Solid Color	Solid Color	Wood Design	Wood Design/ Solid Color	Wood Design/ Solid Color		
DESCRIPTION											
Roll Length	Standard length	m	23 m	26.4 m	30 m	30 m	26.4 m	26.4 m	20 m	2.42 m	45 m
		ft	75'5"	86'6"	98'5"	98'5"	86'6"	86'6"	65'6"	7'11 ³ / ₈ "	148'
	Maximum length	m	-	-	-	-	-	30 m	-	-	-
		ft	-	-	-	-	-	98'5"	-	-	-
Roll Width	-	m	2 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	0.137 m	2 m
		ft	6'6"	4'11"	4'11"	4'11"	4'11"	4'11"	4'11"	5'7/16"	6'6"
Total Thickness	-	mm	3 mm			5 mm		7 mm	9 mm	28 mm	1.5 mm
		inch	0.12"			0.20"		0.28"	3/8"	1 1/8"	0.6"
Weight	-	lbs/sq. ft.	0.58			0.78		3.95	1.2	2.78	0.26
SPORTING CHARACTERISTICS											
Shock Absorption	DIN 18032-2 (April 2001)	%	16%			27%		35%	41%	DIN Certified	-
Coefficient of friction	DIN 18032-2 (April 2001)	-	0.40 - 0.60			0.40 - 0.60		0.40 - 0.60	0.40 - 0.60	DIN Certified	-
Ball Bounce	DIN 18032-2 (April 2001)	%	≥99			≥98		≥98	≥98	DIN Certified	-
TECHNICAL CHARACTERISTICS											
Compression set	ASTM D 395 B	-									
Resistance to a rolling load	DIN 18032-2 (April 2001)	N	≥1000			≥1000		≥1000	≥1000	DIN Certified	-
W500	DIN 18032-2 (April 2001)	%	0%			0%		0%	0%	DIN Certified	-
Chemical Product Resistance	ASTM/D543	-	Excellent			Excellent		Excellent	Excellent	DIN Certified	-
Fire rating	ASTM E648	-	>0.45 W/cm ² Class I			>0.45 W/cm ² Class I		>0.45 W/cm ² Class I	>0.45 W/cm ² Class I	DIN Certified	-
TREATMENTS											
Ease of Maintenance	-	-	Triple-Action ProtecSol®			Triple-Action ProtecSol®		Triple-Action ProtecSol®	Triple-Action ProtecSol®	Triple-Action ProtecSol®*	-
Anti-Friction Burns	-	-	Triple-Action ProtecSol®			Triple-Action ProtecSol®		Triple-Action ProtecSol®	Triple-Action ProtecSol®	Triple-Action ProtecSol®*	-
Anti-Bacterial and Fungicidal Treatment	-	-	Sanosol®			Sanosol®		Sanosol®	Sanosol®	Sanosol®*	-

(1) AED: Appearance Enhancing Designs - * Values when combined with Taraflex® Sports Flooring

Montreal 1976
Moscow 1980
Los Angeles 1984
Seoul 1988
Barcelona 1992
Atlanta 1996
Sydney 2000
Athens 2004
Beijing 2008

Official supplier to every Olympic Games since 1976

As the manufacturer of Taraflex® Sports Flooring Gerflor is the world leader in indoor* sports flooring

HERE'S THE PROOF!

325 million square feet of Taraflex® Sports Flooring installed worldwide.

**Synthetic Sports Flooring.*

Gerflor certified:

Gerflor associate member of:



Exclusive agent:

Gerflor Sports Flooring, LLC.

3080 McCall Dr, Suite 6 - Atlanta, GA 30340 - USA

Tel. (770) 455-7072 / 800-727-7505 - Fax (770) 455-4577

e-mail: info@gerflorsport.com

see us at
Sweets.com

www.gerflortaraflex.com

