

# Taraflex® Sports Flooring



# Taraflex® Sports Flooring



**Olympic Games**  
**World Championships**  
**Masters Series**  
**ATP Tour**  
**National Championships**



FIBA  
STUDY CENTRE  
Partner



# ▶ The excellence of high performance sports flooring engineered according to your body's needs

**For decades, wherever you have found high performance indoor sports you have found Taraflex® Sports Flooring.**

The most demanding sports event organisers, sportsmen and women have always trusted Taraflex® Sports Flooring to provide the highest performing sports flooring on the market.

Taraflex® Sports Flooring however is not only for Olympians or professional athletes. Whatever your ability or your age, every sports person is guaranteed to discover the benefits of Taraflex® Sports Flooring and its ability to adapt to his or her needs.

It is for this reason that Taraflex® Sports Flooring continues to lead the way and is recognised as the undisputed world leader in indoor synthetic sports flooring.



But don't just take our word for it, take a look at the numbers...

- ▶ **5 million people** daily enjoy the benefits of Taraflex® Sports Flooring
- ▶ Over **30 million m<sup>2</sup>** installed all around the world
- ▶ Already **55 000 sports halls** and counting

# ▶ More than just a sports floor...

## **Taraflex<sup>®</sup>** **Sports Flooring**

Taraflex<sup>®</sup> Sports Flooring is chosen by all the major indoor sports federations not just because of the quality and performance for which it is renowned, but also for many other reasons ranging from our shared values and our experience to our technical and logistical assistance in event management.

**Permanent High Performance**

**Sports Values**

**Laboratory Research**

**Pool of Expertise**

**Technical Assistance**



Cellular Xtreme Process

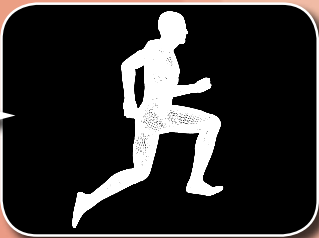
### Permanent High Performance

Taraflex® Sports Flooring is engineered not only to protect from day one, but to go on protecting and offering high performance for decades. Thanks to Taraflex®'s technically advanced closed cell and double density CXP foam backing, you concentrate on your game rather than the risk of sustaining injury.



### Sports Values

If all the major sports federations in the world trust Taraflex® Sports Flooring it's not just because of our renowned high quality... Like our partners, we're passionate about sports and share the same values. Simply put we're one family driven by our common values in precision, challenge, rigor, performance and above all team spirit.



### Laboratory Research

In order to offer you the most adapted sports flooring to your requirements our research laboratory constantly seeks new, improved and technically advanced flooring characteristics. Our teams of engineers have just one obsession - make state-of-the-art sports flooring even better.



### Pool of Expertise

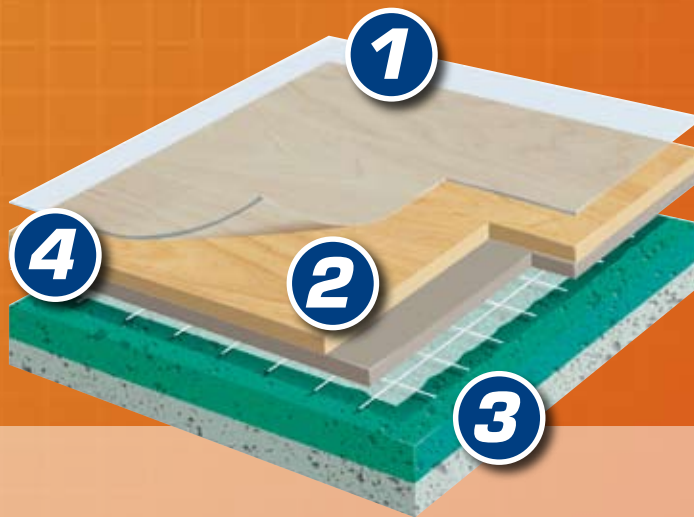
Our sales and technical expertise is at your disposal whatever stage your project is at, to provide the solution to your sports flooring questions. Whether your question is related to Taraflex® Sports Floorings' characteristics or which technical solution for the renovation of your sports gymnasium is the most economical, our teams are there to assist you.



### Technical Assistance

In major international, continental and national competitions our technical assistance is there to ensure the perfect installation for the event organisers and of course players. It doesn't just stop there though. Our technical assistance is also readily available to help you in your project. Contact us for more information.

# ▶ The top to bottom secrets of a winning sports floor



## ••• Triple-Action **Protocolsol®**

### 1 **Triple-Action Protocolsol®**

Ground breaking “intelligent” surface complex treatment which adapts the sliding coefficient of the sports flooring according to the type of action or movement! It ensures perfect footing and adherence when required in movements such as rapid acceleration and also increases the ease with which the sportsperson can pivot and slide. Triple-Action Protocolsol® also virtually eliminates the risk of friction burns by reducing the temperature generated and its duration. Lastly, Triple-Action Protocolsol® means that maintenance is greatly facilitated.

## **D-Max™**

### 2 **D-Max™ surface complex**

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

## **CXP™**

### 3 **CXP™ foam backing**

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

## **Sanosol®**

### 4 **Sanosol®**

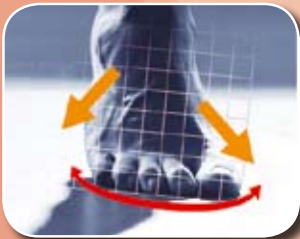
Absolute hygiene guaranteed thanks to the bacteriostatic and fungicidal treatment throughout the foam which lasts the lifetime of the sports flooring.

# ▶ The characteristics of an outstanding sports floor...



## ▶ Shock absorption

This is the ability of the floor to absorb the energy from any type of impact such as jogging, running, jumping and of course falling or diving. This does not however measure the comfort of the floor. The latter is related to the nature of the material and its ability to deform and compress around the point of impact. It is for this reason that, in general, point-elastic floors tend to more comfortable than area-elastic floors.



## ▶ Uniform friction

It is vital for a sports floor to have uniform friction in all directions on a sports floor. This not only increases the playability of the floor, but also reduces the risk of injuries such as sprains or twisted ankles.



## ▶ Ball bounce

This determines the playability of a sports floor. The higher the ball bounce percentage the better the floor. However, an important aspect of ball bounce that is not taken into consideration is the regularity of the bounce. A good sports floor has identical ball bounce in all areas and all across the floor.



## ▶ Energy return

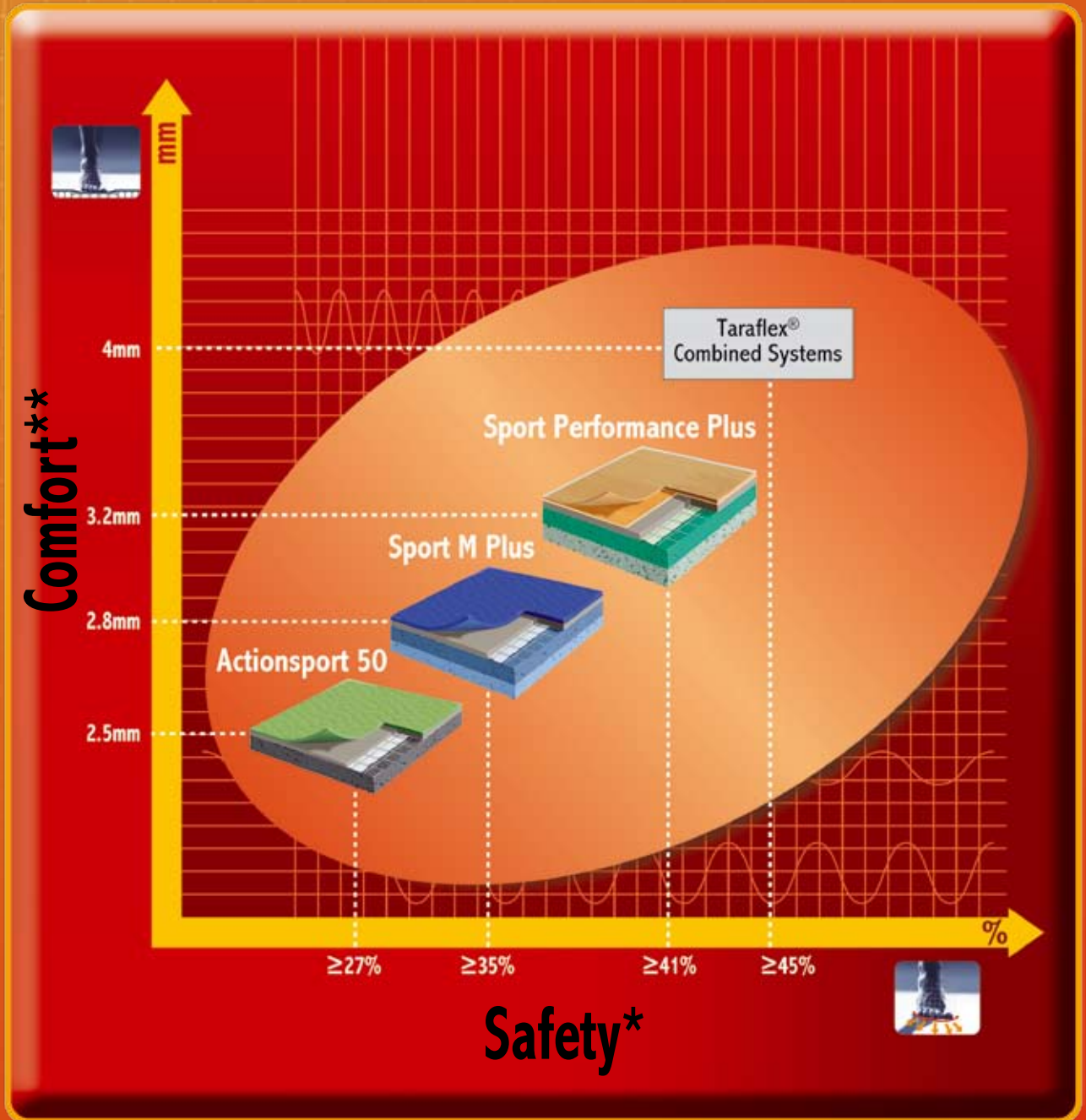
This determines the performance factor of the floor. If the performance is low this is akin to running in sand. On the contrary, if the performance is very high this would be like playing on a trampoline. A balance between these two extremes is required to ensure optimum playability and safety.



## ▶ Resilience

This is the ability of the floor to spring back to its original shape.

# ▶ Sports flooring engineered to your body's requirements



\*Force reduction according to the DIN Standard 18 032-2 (April 2001)

\*\*Comfort according to the NFP 90-203



# ▶ Whatever your level or age, Taraflex® has the solution

Why choose Taraflex®?

Type of player Type of sport	Children <12 years old	Adolescents 12-18 years old	Adults	Seniors
<b>High intensity sport</b> 	Sport Performance Plus	Sport Performance Plus	Sport Performance Plus	Sport Performance Plus
<b>School sports</b> 	Sport Performance Plus	Sport M Plus	Sport M Plus	Sport Performance Plus
<b>Sports and Leisure</b> 	Actionsport 50	Actionsport 50	Actionsport 50	Actionsport 50
<b>Sports with high rolling loads</b> 	Actionsport 50	Surface	Surface	Surface
<b>Sports with high compression loads</b> 	Surface	Surface	Surface	Surface



Regardless of the stage of your project, our sales representatives will readily assist you by facilitating your decision making with varied sales support and decision making tools such as:

- ▶ **Optimum layout calculation**
- ▶ **Scale models of your playing surface**
- ▶ **Large colour samples**
- ▶ **Colour choice kits...**

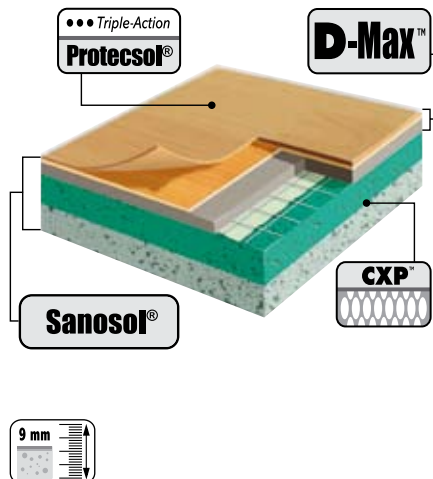
For additional information in regard to Taraflex® Sports Flooring most adapted to your needs cf pp 10-14

# ▶ A solution for all projects

## Taraflex® Sport Performance Plus

### Unbeatable performance and comfort

The new **CXP™** double density foam backing combined with the new surface complex, **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 a 41% shock absorption rate that considerably minimizes the risk of injury.

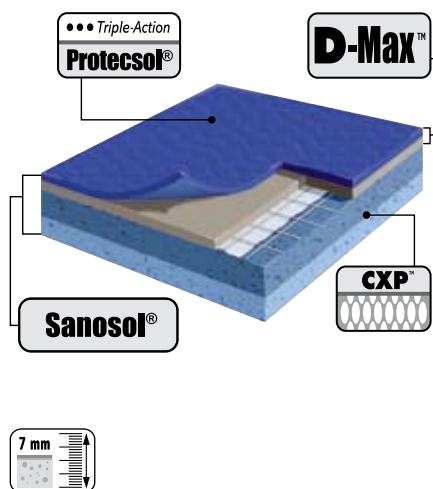


- ▶ Broad versatility in sports adapted both to the needs of growing children and performance seeking athletes
- ▶ The leader in exceptional protection and comfort of use
- ▶ Over 41% shock absorption
- ▶ Incredible playability with over 98% ball bounce
- ▶ Available in a broad range of colours and designs

## Taraflex® Sport M Plus

### The original and still the market benchmark

Just when you thought Sport M 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 surface complex, **D-Max™**, has moved the bar higher again.

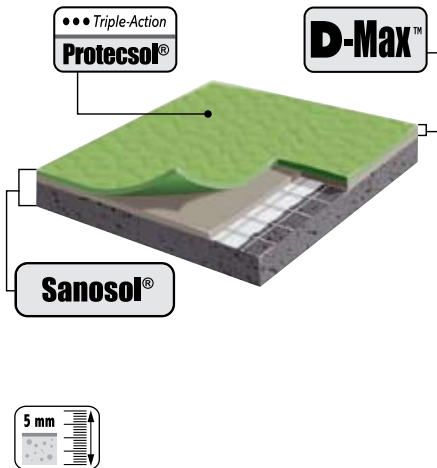


- ▶ Over 35% shock absorption
- ▶ Ball bounce over 98%
- ▶ Even greater value for your money
- ▶ Available in a broad range of colours and designs

## Taraflex® Actionsport 50

### The leader in its class

Actionsport has advanced with the introduction of Taraflex® Actionsport 50. We have added the **D-Max™** surface complex which greatly improves the resistance to indentation and increases user protection. Actionsport, as always, is several steps ahead of the competition.

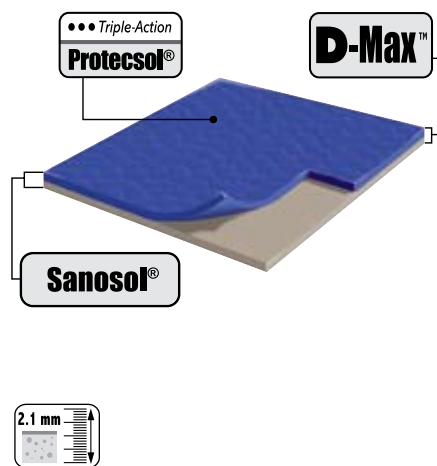


- ▶ The ideal flooring for sports beginners
- ▶ A 33% thicker and more durable **D-Max™** surface complex
- ▶ Impressive 42% increase in user protection compared to its predecessor
- ▶ Greater choice in colours and designs
- ▶ 27% shock absorption rate - the leader in its class
- ▶ Over 98% ball bounce

## Taraflex® Surface

### Extra durability and resistance

Taraflex® Surface is better than ever. Thanks to its new surface complex, **D-Max™**, it offers even greater resistance to indentation and increased overall durability. The choice of warm wood visuals and bright colours allows you to personalize your facility.



- ▶ Available in 15 solid colours and 2 wood visuals
- ▶ New **D-Max™** surface complex

# Specialized sports flooring solutions

Sanosol®

## Taraflex® Tennis



**The most impressive indoor tennis surfaces designed to provide great playing satisfaction and comfort for any type of facility**

Ideal surface for any player from young beginners to seasoned professionals and senior players.



London  
6504



Paris  
6118



Melbourne  
6471



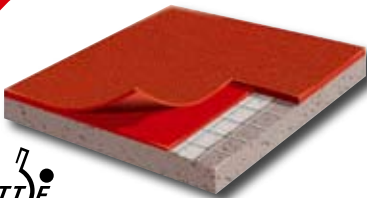
New York  
6473

- ▶ Medium ball speed
- ▶ Incredible surface comfort with regular and consistent ball bounce
- ▶ The safest tennis surface a guarantee against pain and injuries
- ▶ Excellent abrasion resistance compared to resins/hard courts

Sanosol®

Triple-Action  
Protecsol®

## Taraflex® Table Tennis



**Sports flooring** engineered and developed in partnership with international table tennis organisations such as ITTF and ETTU.



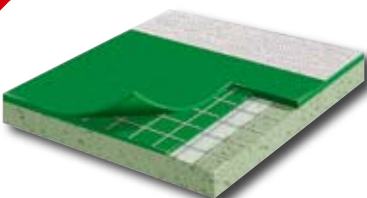
Framboise  
6109

- ▶ Available in ready-to-go easy to install portable playing surface and permanent (5.0/7.0) formats
- ▶ Excellent player comfort and protection
- ▶ Structured embossing makes for perfect footing

Sanosol®

Triple-Action  
Protecsol®

## Taraflex® Badminton



**The ultimate in player comfort, protection and perfect footing**

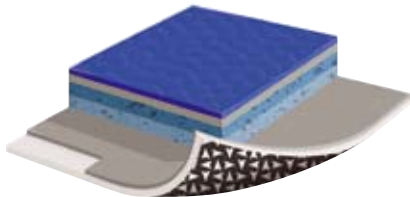
- ▶ Available in ready-to-go easy to install portable playing surface (comes with game lines painted on the surface) and permanent (5.0/7.0) formats
- ▶ Excellent player comfort and protection
- ▶ Structured embossing makes for perfect footing



Mint Green  
6570

# Technical solutions

## Taraflex® Isolsport



### A solution for rehabilitation, a protection from subfloor moisture

- ▶ Saves money by leaving the existing floor in place and combining Taraflex® Isolsport with your sports flooring for the perfect loose lay solution
- ▶ Allows installation over a concrete slab with moisture levels as high as 10%
- ▶ Adaptable to any of the foam backed products in the Taraflex® range

## Taraflex® Bateco



### A protective solution...

Taraflex® Bateco gives you the ability to protect any type of sports floor when used for non-sporting activities.

Adds versatility to your sports facility or hall. Protects the sports floor and ensures it always looks great.

## Finishing Accessories

### Welding Rods

Whatever the colour or wood visual you choose for your sports project, we have the corresponding welding rod colour that perfectly masks seams.

- Over 65 different welding rods to choose from.

### Adhesives

Depending on the type or condition of the support on which you install Taraflex®, we have a variety of recommended adhesives.

- Please consult our technical installation guide for further information.

### Double sided tapes

For sports flooring of a temporary nature, such as once off sporting events, we have adapted double sided tape for the perfect free-floating installation.

- Please consult our technical installation guide for further information.

### Game Line Paints

Whether the primary sport of your sports project is basketball, volleyball, handball or any other sport, we have a broad range of game line paints that allow you to maximise the visibility of your sport.

- 10 different colours to choose from.

### Adhesive Game Line Tapes

Adhesive game line tapes are available to allow you to mark game lines when of a non-permanent nature.

### Skirting

A huge range of skirting to give your sports project the perfect finish.

### Taraclean

A spray cleaner, specially developed for the marks rather tough to remove, such as handball wax.

# ▶ Play with your imagination



All colours available in Taraflex® Surface, Sport M Plus and Sport Performance Plus  
 ● Colours available in Taraflex® Actionsport 50

### Taraflex® Sports Flooring range

- 6134 Tangerine ●
- 6146 Coral ●
- 6180 Red ●
- 6211 Gold ●
- 6321 Sandstone ●
- 6375 Oak design ●
- 6381 Maple design ●
- 6426 Horizon ●
- 6430 Blue ●
- 6431 Teal ●
- 6445 Lagoon ●
- 6478 Purple ●
- 6507 Forest green ●
- 6512 Green ●
- 6535 Lawn ●
- 6758 Silver gray ●
- 6830 Black ●

# ▶ The end result: A unique and high performing sports facility



▶ Stockholm - Sweden



▶ Eskisehir - Turkey



▶ Parkville - MO - USA



▶ Gatineau - Quebec - Canada

# ▶ Our references



▶ Abu Dhabi - UAE



▶ Gwent - United Kingdom



▶ Budapest - Hungary



▶ Tongaat - South Africa





▶ Handball EURO 2006 - Switzerland



▶ Volley-Ball European Championship - Germany



▶ Badminton Open - France



▶ Table Tennis World Cup - France



▶ Tennis Masters Cup - China

# ▶ Technical data

	Description	Standard	Requirement	Units	Taraflex® Actionsport 50	Taraflex® Sport M Plus	Taraflex® Sport Performance Plus	Taraflex® Surface
Product Description	Surface treatment	-	-	-	Triple-Action ProtecSol®	Triple-Action ProtecSol®	Triple-Action ProtecSol®	Triple-Action ProtecSol®
	Surface complex	-	-	-	D-Max™	D-Max™	D-Max™	D-Max™
	Foam backing	-	-	-	Vertical closed cell	Double Density CXP™	Double Density CXP™	-
	Thickness (± 0.15mm)	EN 428	-	mm	5.0	7.0	9.0	2.1
	Weight (± 0.2kg/m²)	EN 430	-	kg/m²	3.25	4.6	5.3	3.0
	Length*	EN 426	-	lm	29.5 Max	29 Max	22 Max	30 Max
	Width	EN 426	-	lm	1.5	1.5	1.5	1.5
Sports Characteristics	Shock Absorption	DIN 18032	-	%	≥ 27	≥ 35	≥ 41	-
	Energy Return	NF P 90 203	> 0.31	m/s	0.4	0.4	0.5	-
	Sliding Coefficient	DIN 18032	0.4 - 0.7	-	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6
	Ball Bounce	DIN 18032	≥ 90%	%	≥ 98	≥ 98	≥ 98	≥ 99
	Ball speed (Pace)	ITF	-	-	-	-	-	-
Technical Characteristics	Abrasion resistance	EN ISO 5470-1	≤ 2000	mg	≤ 300	≤ 300	≤ 300	≤ 300
	Impact Resistance	EN 1517	≥ 8	N/m	≥ 8	≥ 8	≥ 8	≥ 8
	Indentation resistance	EN 1516	≤ 0.5	mm	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
Classification	Fire	EN 13501-1	-	-	C <sub>fl</sub> s1	C <sub>fl</sub> s1	C <sub>fl</sub> s1	C <sub>fl</sub> s1
	Fire	ASTM E 648	-	-	Class 1 ≥ 0.45	Class 1 ≥ 0.45	Class 1 ≥ 0.45	Class 1 ≥ 0.45
	Fire	prEN 11925	-	-	C <sub>fl</sub> s1	C <sub>fl</sub> s1	C <sub>fl</sub> s1	C <sub>fl</sub> s1
	Anti-bacterial and fungicidal treatment	-	-	-	Sanosol®	Sanosol®	Sanosol®	Sanosol®

\* For different roll lengths please contact us

Taraflex® Tennis	Taraflex® Badminton			Taraflex® Table Tennis			Taraflex® Bateco	Taraflex® Isolsport
	Portable	5.0	7.0	Portable	5.0	7.0		
-	Triple-Action Protecso®	Triple-Action Protecso®	Triple-Action Protecso®	Triple-Action Protecso®	Triple-Action Protecso®	Triple-Action Protecso®	-	-
100% Pure PVC	100% Pure PVC	D-Max™	D-Max™	100% Pure PVC	D-Max™	D-Max™	-	-
Vertical closed cell	Vertical closed cell	Vertical closed cell	Double Density CXP™	Vertical closed cell	Vertical closed cell	Double Density CXP™	-	-
6.2	3.9	5.0	7.0	3.7	5.0	7.0	1.5	1.5
4.2	1.95	3.25	4.6	1.9	3.25	4.6	2.05	1.25
24 STD	16 STD	29.5 Max	29 Max	16 STD	29.5 Max	29 Max	30	45 Max
1.5	3x2.7	1.5	1.5	1.5	1.5	1.5	1.5	2
≥ 30	-	≥ 27	≥ 35	-	≥ 27	≥ 35	-	-
0.45	0.4	0.4	0.4	0.4	0.4	0.4	-	-
0.4 - 0.6	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6	-	-
-	-	≥ 98	≥ 98	-	≥ 98	≥ 98	-	-
Medium/2	-	-	-	-	-	-	-	-
≤ 300	≤ 300	≤ 300	≤ 300	≤ 300	≤ 300	≤ 300	≤ 300	-
-	-	≥ 8	≥ 8	-	≥ 8	≥ 8	-	-
≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
C <sub>fl</sub> S1	C <sub>fl</sub> S1	C <sub>fl</sub> S1	C <sub>fl</sub> S1	C <sub>fl</sub> S1	C <sub>fl</sub> S1	C <sub>fl</sub> S1	C <sub>fl</sub> S1	C <sub>fl</sub> S1
Class 1 ≥ 0.45	Class 1 ≥ 0.45	Class 1 ≥ 0.45	Class 1 ≥ 0.45	Class 1 ≥ 0.45	Class 1 ≥ 0.45	Class 1 ≥ 0.45	Class 1 ≥ 0.45	Class 1 ≥ 0.45
C <sub>fl</sub> S1	C <sub>fl</sub> S1	C <sub>fl</sub> S1	C <sub>fl</sub> S1	C <sub>fl</sub> S1	C <sub>fl</sub> S1	C <sub>fl</sub> S1	C <sub>fl</sub> S1	C <sub>fl</sub> S1
Sanosol®	Sanosol®	Sanosol®	Sanosol®	Sanosol®	Sanosol®	Sanosol®	-	-



**AMERICA LATINA:** Gerflor América Latina Pisos E Revest. Ltda.  
 - Tel.: +55 11 3055 2020 - Fax: +55 11 30 55 2023  
 - e.mail: gerfloramericatina@gerflor.com

**AUSTRALIA/NEW ZEALAND:** Gerflor Australasia Pty. Ltd  
 - Tel.: 1 800 060 785  
 - e.mail: gerflorpacific@gerflor.com

**Belgique/Luxembourg:** Gerflor Belgium  
 - Tel.: +32 03 766 42 82 - Fax: +32 03 766 29 14  
 - e.mail: gerflorbelgium@gerflor.com

**DEUTSCHLAND:** Gerflor Mipolam GmbH  
 - Tel.: +49 0 22 41-25 30-0  
 - e.mail: GerflorMipolam@Gerflor.com  
 Muster- und Kundenservice:  
 - Tel.: +49 0 22 41-25 30 131- Fax: +49 0 22 41-25 30-100  
 - e.mail: Kundenservice@Gerflor.com  
 Service Anwendungstechnik:  
 - Tel.: +49 0 22 41-25 30 555 - Fax: +49 0 22 41-25 30 550  
 - e.mail: Technik@Gerflor.com

**ESPAÑA:** Gerflor Iberia SA  
 - Tel.: +34 91 653 5011 - Fax: +34 91 653 9525  
 - e.mail: gerfloriberia@gerflor.com

**ITALIA:** Gerflor S.p.A  
 - Tel.: +39 02 90 78 60 12 r.a. - Fax: +39 02 90 42 74 84  
 - e.mail: gerfloritalia@gerflor.com

**MIDDLE EAST** Gerflor Middle East  
 - Tel.: +966 3 847 1779 - Fax: +966 3 847 1781  
 - e.mail: gerflorME@gerflor.com

**NETHERLANDS** Gerflor BV  
 - Tel.: +31 0418 65 29 65 - Fax: +31 0418 65 17 96  
 - e.mail: gerflorNL@gerflor.com

**ÖSTERREICH/SCHWEIZ** Gerflor GmbH  
 - Tel.: +43 07229/70800-0 - Fax: +43 07229/70800-218  
 - e.mail: austria@gerflor.com / switzerland@gerflor.com

**PORTUGAL :** Gerflor Iberia SA  
 - Tel.: (351) 21 843 9549 - Fax: (351) 21 846 5544  
 - e.mail: gerflorportugal@gerflor.com

**UNITED KINGDOM & IRELAND** Gerflor Ltd  
 - e.mail: Contractuk@gerflor.com  
 Sample service:  
 - Tel.: +44 0870 264 7581  
 Office:  
 - Tel.: +44 01926 401 500 - Fax: +44 01926 401647

**If your country is not on the list above,  
 please consult our website below**



[www.gerflor.com](http://www.gerflor.com)

**Gerflor**

43, Boulevard Garibaldi  
 69170 Tarare - France  
 Tel.: +33 4.74.05.40.00  
 Fax: +33 4.74.05.04.60

