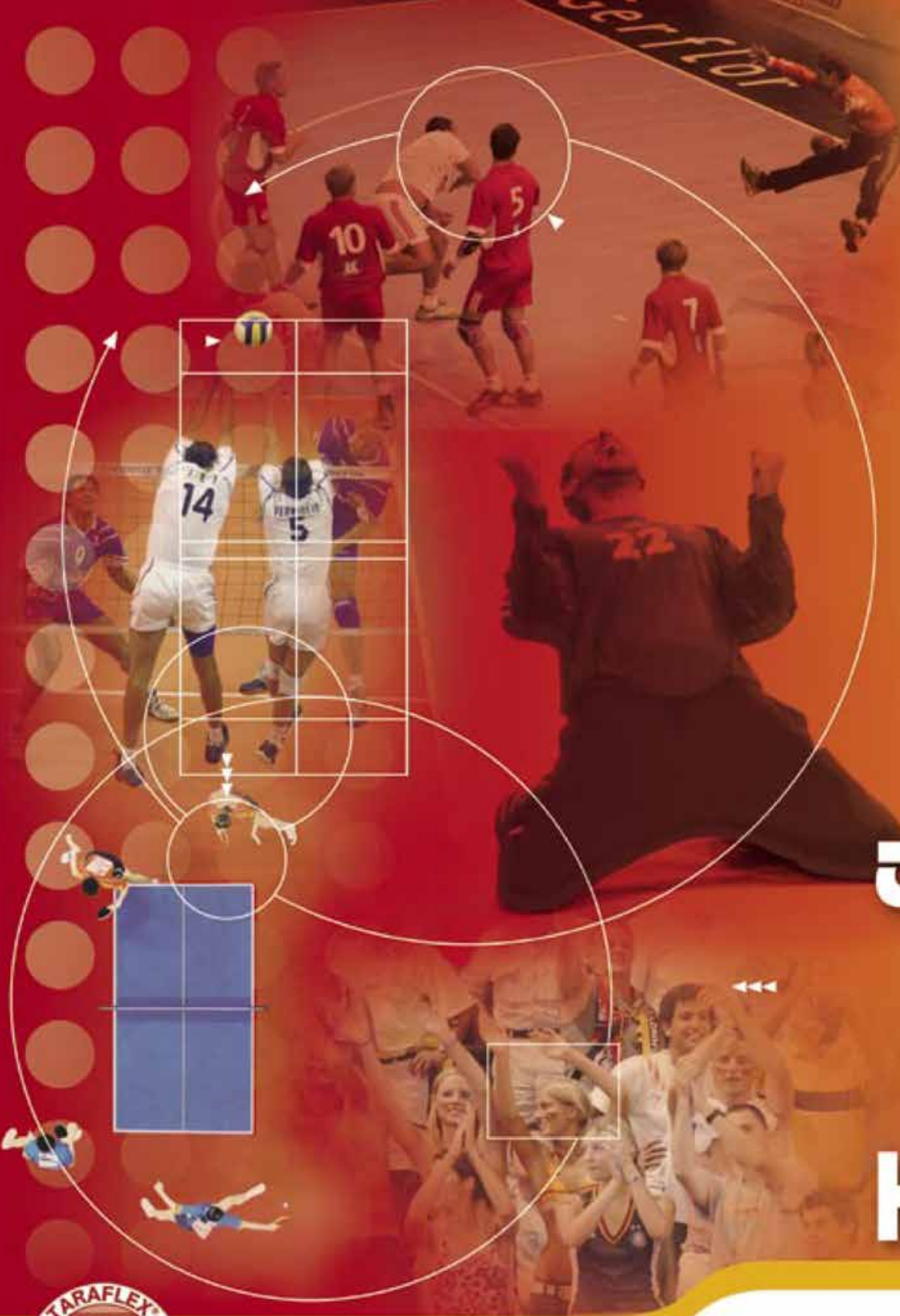


Taraflex® Sports Flooring



Taraflex® Sports Flooring



Olympic Games
World Championships
Masters Series
ATP Tour
National Championships



FIBA
STUDY CENTRE
Partner



▶ High performance sports flooring - engineered for athletic success

Taraflex® indoor flooring has played an important part in developing sporting skills throughout the world since 1947 and is recognised as the leading brand of indoor, synthetic sports flooring.

Even the most demanding sports event organisers, sports men and women, local authorities, leisure centre and school managers choose the Taraflex® range because they trust it to provide the highest performing sports flooring on the market.

Taraflex® Sports Flooring is not only for Olympians and professional athletes (although it has been widely used at many prestige events over the past few decades).

Taraflex® is also widely used in multi-sport and activity centres where young and old meet to join in a multitude of leisure interests. Here the flooring plays an important part in improving player performance, reducing injury, increasing confidence and maximising participant pleasure.

It is for these reasons that Taraflex® Sports Flooring continues to lead the way in developing innovative sports flooring solutions.



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 m²** installed all around the world
- ▶ Already **55,000 sports halls** and counting

▶ More than just a sports floor...

Taraflex[®] **Sports Flooring**

Taraflex[®] Sports Flooring has been approved by all the major indoor sports federations not only for its quality and performance for which it is renowned, but also because of our commitment to and passion for improving sports performance, our knowledge of sports flooring technology and our technical and logistical project management at special events.

**Full Life
Performance**

**Shared
Sports Values**

**Research
& Development**

**Technical
Expertise**

**Event Project
Management**



Cellular Xtreme Process

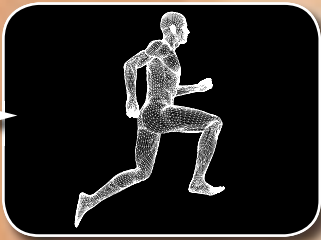
Full Life Performance

Taraflex® Sports Flooring is engineered for safety and will offer high performance protection from injury for decades. Taraflex® has a unique and technically advanced closed cell, double density CXP foam backing specially designed to withstand heavy use and help reduce serious player injury.



Shared Sports Values

In keeping with all the major sporting federations who have approved the Taraflex® range, we are passionate about sports and share a common desire to improve sporting performance. We are driven by the shared sporting values of commitment, challenge, discipline, performance and above all team spirit.



Research & Development

Our R&D teams are constantly seeking new, improved and technically advanced flooring solutions and spend time working with athletes and bio-mechanical engineers to ensure the Taraflex® range meets our clients' most exacting requirements. Never complacent our team mission is for continuous improvement.



Technical Expertise

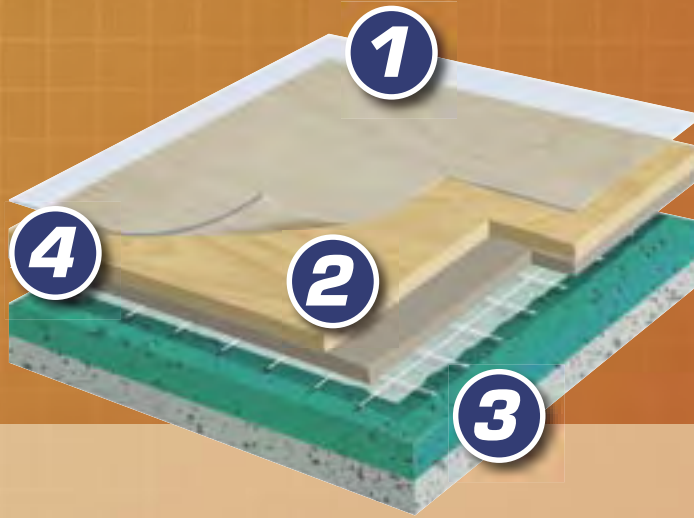
We have full qualified Sales and Technical support teams to help you with any aspect of product selection and sports hall specification. Please contact them for assistance with product and area elastic product selection, subfloor preparation recommendations or any other technical query.



Event Project Management

For major competitions and events we have a full project management service to assist in ensuring a rapid and trouble free installation and demobilisation. Please contact us for more information.

▶ Engineered for performance - the heart of a winning sports floor



••• Triple-Action **Protocolsol®**

1 **Triple-Action Protocolsol®**

This unique and patented surface treatment offers three key benefits:

An “intelligent” surface 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.



3 **CXP™ foam backing**

The Cellular Xtreme Process is a revolutionary process which optimises the size and shape of the closed cell, double density foam backing to improve user comfort underfoot and safety for the full life time of the product.

D-Max™

2 **D-Max™ surface complex**

The new tough D-Max™ surface offers a highly resilient and durable top layer to ensure even greater indentation resistance and shock absorption. Comprising several layers of calendared and pressed PVC of different densities and combined with a reinforced, fibreglass grid the new D-Max™ surface is another first for the Taraflex® R&D team.

Sanosol®

4 **Sanosol® Antibacterial and Fungicidal treatment**

Factory applied this essential treatment provides protection for the full life of the product.

▶ 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 be more comfortable than area-elastic floors and why combined elastic floors are so popular.



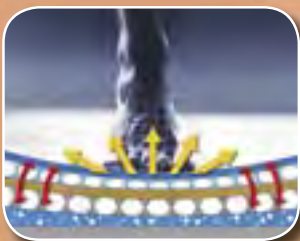
▶ Uniform friction

It is vital for a sports floor to have uniform friction across the whole surface to help reduce sprains and twisted ankles as well as improve safety and playability.



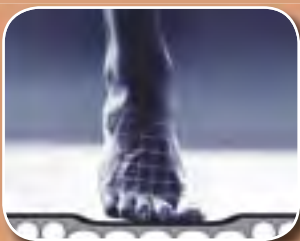
▶ Ball bounce

This determines the “playability” of a sports floor. Essentially, the ball bounce must fall between designated minimum and maximum parameters to achieve maximum playability. However, another key feature is that the ball should bounce to the same height across the whole floor and there should not be any “dead spots”.



▶ Energy return

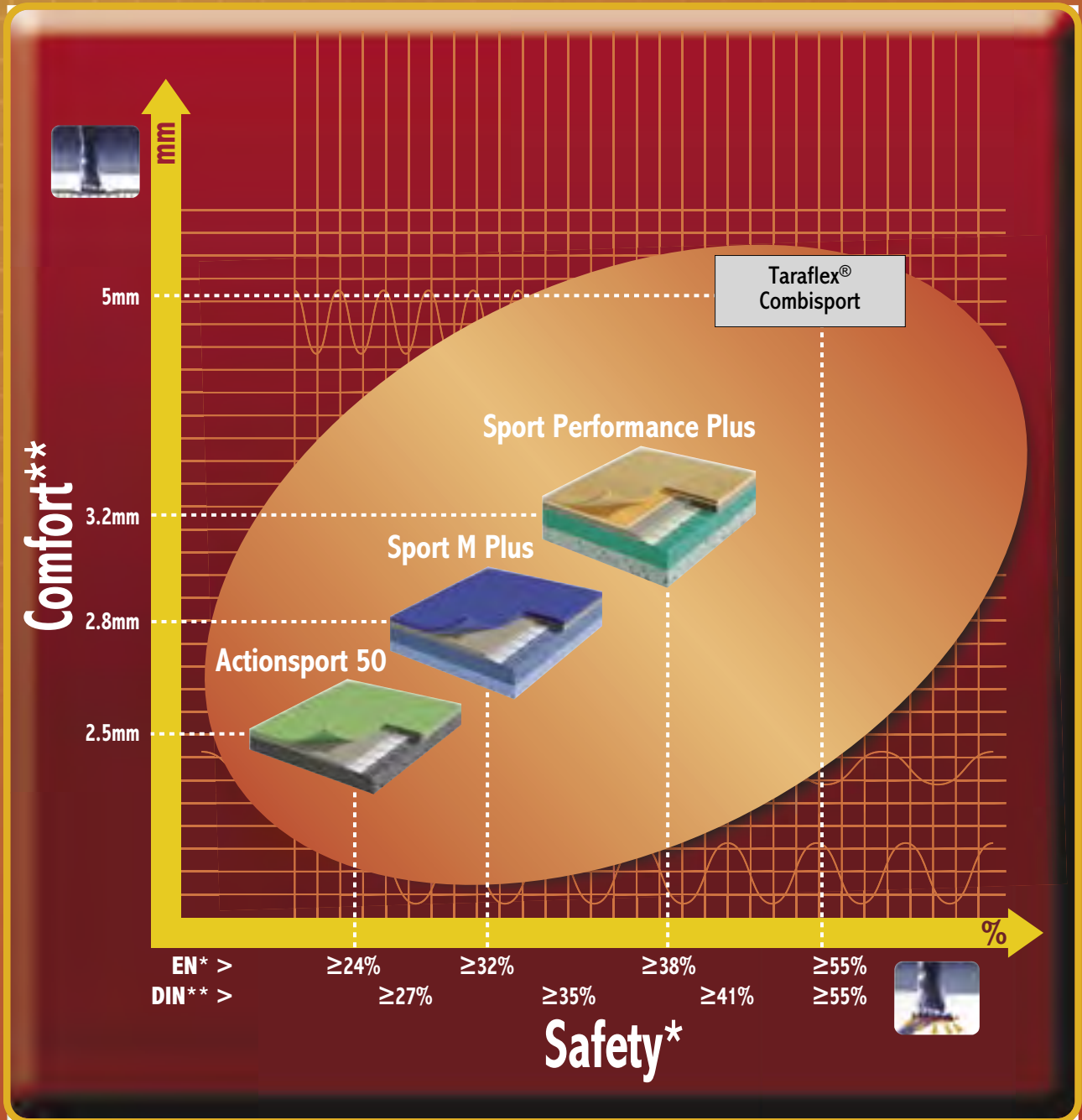
The energy return records the speed that a player’s foot, for example when running, springs forward for its next step. If the energy return was low - for example in a sand pit, the runner would find it very difficult to “retrieve” his foot and take the next step whereas if the energy return was high - for example on a trampoline, the runner would find it difficult to control his foot for the next step because it was returned at too great a speed. Taraflex® floors are engineered to achieve a safe balance between these two extremes and to ensure optimum playability.



▶ Resilience

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

▶ Sports flooring engineered to your body's requirements



*The shock absorption/force reduction figures are measured in accordance with the DIN Standard 18 032-2 (April 2001) and the future European Standard for indoor sports flooring EN 14904

** The area deformation figures are measured in accordance with NFP 90-203.

▶ Whatever your sporting ability 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
High intensity sport 	Sport Performance Plus	Sport M Plus	Sport Performance Plus	Sport Performance Plus
Multi-Activity & School Sports 	Sport Performance Plus	Sport M Plus	Sport M Plus	Sport Performance Plus
Sports and Leisure 	Actionsport 50	Actionsport 50	Actionsport 50	Actionsport 50
Sports with high rolling loads 	Surface	Sport M Plus	Surface	Surface
Sports with high compression loads 	Surface	Surface	Surface	Surface



Please do not hesitate to contact our sales or technical teams advice at any stage of your planning process for help with

- ▶ **Product selection**
- ▶ **Installation**
- ▶ **Subfloor preparation**
- ▶ **Underfloor heating**
- ▶ **Cleaning and maintenance**
- ▶ **Samples**

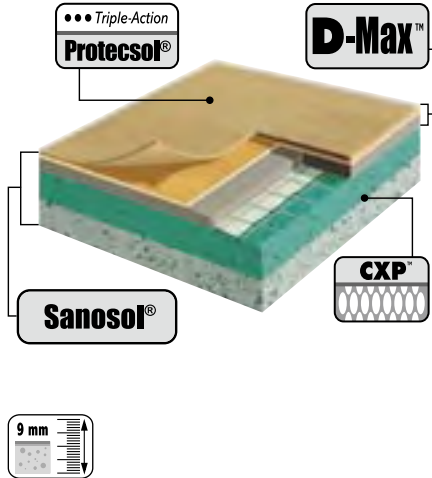
For additional information in regard to Taraflex® Sports Flooring most adapted to your needs cf pp 10-14

A solution for all multi-activity sports 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 the highest performance vinyl sports flooring on the market. The new 9mm thickness raises the bar on safety by offering an unequalled 41% shock absorption to minimise athlete injury, shin splints and protect vulnerable seniors and children from inevitable trips and tumbles. Experience unequalled safety with a 41% shock absorption rate that considerably minimizes the risk of injury.

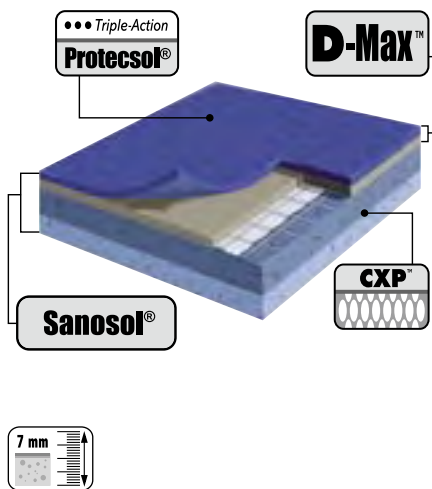


- ▶ Highly versatile surface suitable for growing children and performance seeking athletes
- ▶ Offers exceptional comfort and protection from injury
- ▶ Market leading shock absorption - 41%
- ▶ Excellent playability - 98% ball bounce to DIN 18032
- ▶ Available in a broad range of colours and designs

Taraflex® Sport M Plus

The original and still the market's most popular synthetic indoor sports floor.

This tried and tested flooring has been redeveloped to incorporate an even more dynamic double density **CXP™** foam backing and **D-Max™** surface to ensure maximum performance throughout the product's entire. Ideal for multi-activity and multi-sports halls



- ▶ Over 35% shock absorption
- ▶ Excellent value for money
- ▶ Easy and inexpensive to maintain
- ▶ Available in a broad range of colours and designs

Taraflex® Actionsport 50

The leader in its class

New Actionsport 50 is 10% thicker than its predecessor and has been developed with the revolutionary **D-Max™** surface to ensure long term performance and indentation resistance. Offering excellent value for money, Taraflex® Actionsport remains several technological leaps ahead of the competition.

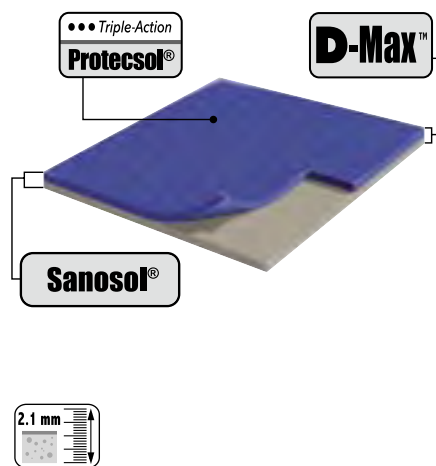


- ▶ Ideal for multi-activity areas and for beginner level sports
- ▶ D-Max™ surface for long term resilience and indentation resistance
- ▶ 27% shock absorption – the leader in its class
- ▶ Available in a broad range of colours and designs

Taraflex® Surface

Durable and highly resilient sports surface

Offering an excellent grip/slide coefficient Taraflex® Surface is now available with the highly durable **D-Max™** surface for maximum durability and indentation resistance.



- ▶ Available in a broad range of colours and designs
- ▶ New **D-Max™** surface

Specialized sports flooring solutions

Sanosol®

Taraflex® Tennis



London
6504



Paris
6118



Melbourne
6471



New York
6473

Approved by all the major Tennis Federations

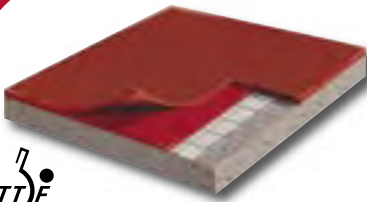
Taraflex® Tennis is designed to offer a safe and yet challenging surface for all players from beginners through to seasoned professionals and veterans.

- ▶ Medium ball speed
- ▶ Incredible surface comfort with regular and consistent ball bounce
- ▶ The safest tennis surface proven to reduce injuries and repetitive strains
- ▶ Excellent abrasion resistance compared to resins/hard courts

Sanosol®

Triple-Action
ProtecSol®

Taraflex® Table Tennis



Framboise
6109

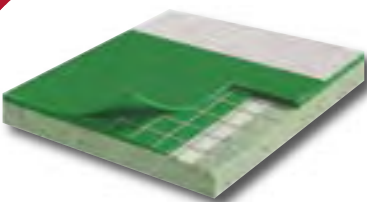
Sports flooring engineered and developed in partnership with international table tennis organisations such as ITTF and ETTU.

- ▶ Available with canvas embossed surface in easy to install, portable format
- ▶ Permanent installations benefit from a D-Max surface for extra durability and resilience
- ▶ Medium ball speed
- ▶ Excellent surface comfort with regular and consistent ball bounce
- ▶ Excellent abrasion resistance compared to resins/hard courts

Sanosol®

Triple-Action
ProtecSol®

Taraflex® Badminton



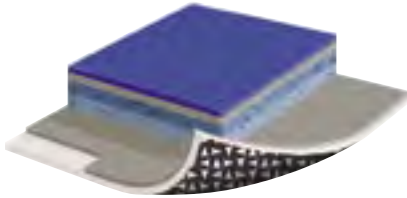
Mint Green
6570

The ultimate in player comfort, protection and perfect footing

- ▶ Available with canvas embossed surface in easy to install, portable format - game lines are included
- ▶ Excellent player comfort and protection
- ▶ Permanent installations benefit from a D-Max surface for extra durability and resilience

Technical solutions

Taraflex® Isolsport



A dedicated isolating membrane for use with Taraflex® Sports Floors

- ▶ An ideal solution for new build and renovation projects where subfloor moisture is a cause for concern.
- ▶ Reduces installation times and costs by allowing loose lay installation
- ▶ Allows rapid installation over existing flooring thereby reducing time, costs and environmental impact of disposal
- ▶ Suitable for use with all Taraflex® foam backed products

Taraflex® Bateco



A protective mat for use at events and for permanent installations.

All Taraflex® products are suitable for multi-activity use but may need extra protection to help them maintain their “just installed” look. Bateco offers a temporary solution to add versatility to the sports hall whilst ensuring it always looks its best.

Finishing Accessories

Weld Rods

WE have over 65 different colours of weld rod to ensure a perfect match for all seams including those with wood effects

Adhesives

We recommend particular adhesives for particular applications - and recommend that you contact our technical department for advice

Double sided tapes

For events and temporary installations these specially developed tapes offer a fast easy solution

Line Marking Paints

We have a range of 10 line marking paints for permanent installations complying with the international colour standards for every indoor sport

Temporary Adhesive Line Marking Tapes

These easy to install and remove line marking tapes are available in a range of ??? colours in keeping with the internationally approved colour standards

Skirtings

We offer an extensive range of complementary skirtings to provide the perfect finish

Taraclean

This spray cleaner has been specially developed to remove hard to remove mark. Please contact the our technical department for help and advice.

▶ Play with your imagination



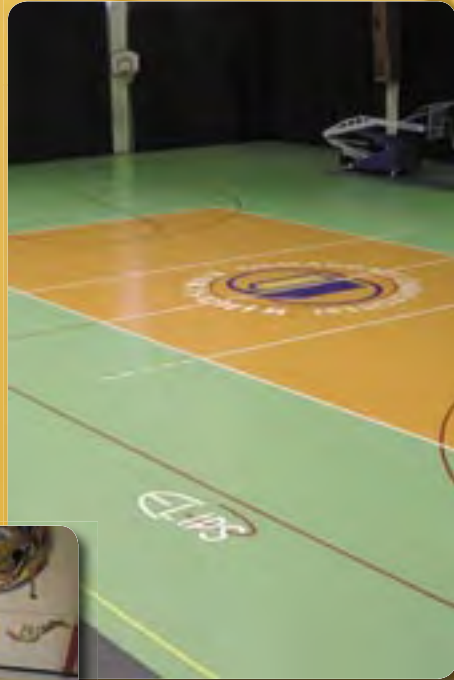
- Taraflex® Sports Flooring range**
- 6134 Tangerine ●
 - 6146 Coral ●
 - 6180 Red ●
 - 6211 Gold ●
 - 6321 Sandstone ●
 - 6375 Oak design ●
 - 6381 Maple design ●
 - 6426 Horizon ●
 - 6430 Blue ●
 - 6431 Teal ●
 - 6445 Lagoon ●
 - 6478 Purple ●
 - 6507 Forest green ●
 - 6512 Green ●
 - 6535 Lawn ●
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

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

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



▶ Stockholm - Sweden



▶ Eskisehir - Turkey



▶ Parkville - MO - USA

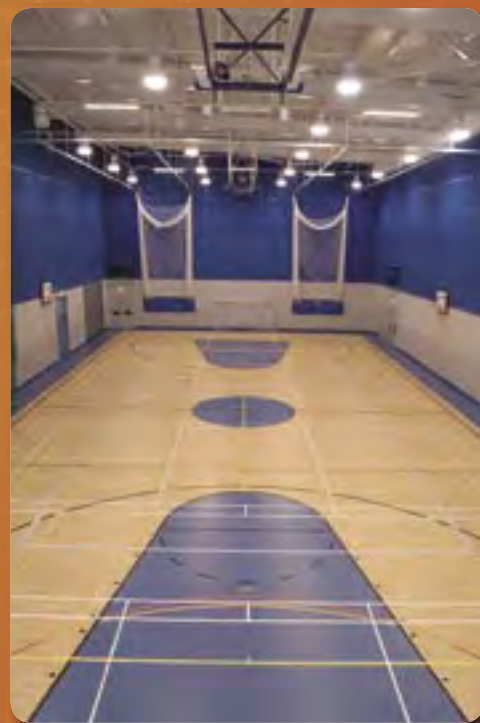


▶ Gatineau - Quebec - Canada

▶ 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	-	-	-	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 _{fl} s1	C _{fl} s1	C _{fl} s1	C _{fl} 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 _{fl} s1	C _{fl} s1	C _{fl} s1	C _{fl} 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 _{fl} S1	C _{fl} S1	C _{fl} S1	C _{fl} S1	C _{fl} S1	C _{fl} S1	C _{fl} S1	C _{fl} S1	C _{fl} 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 _{fl} S1	C _{fl} S1	C _{fl} S1	C _{fl} S1	C _{fl} S1	C _{fl} S1	C _{fl} S1	C _{fl} S1	C _{fl} S1
Sanosol®	Sanosol®	Sanosol®	Sanosol®	Sanosol®	Sanosol®	Sanosol®	-	-

