

## Outstanding player performance with Taraflex® Combisport Systems



### Point of Impact Shock Absorption

A flooring system which offers cushioning against the impact of (for example) running and diving will allow children as well as high level sportsmen to enjoy their sport to the maximum.

Wooden and other hard surfaces which do not absorb shock can lead to injury - see fig 1. By contrast a floor featuring the revolutionary Taraflex® CXP™ foam backing (fig 2) will effectively protect players from immediate discomfort.

### Force reduction

A flooring system which disperses shock over a wide area will reduce vibration and protect the body in the longer term.

The flexibility of the Taraflex® Combi Systems makes them suitable for children (low weight) and ideal for high level athletes who want to train for long periods at the highest level.

### Energy return

A dynamic flooring system improves player performance. The Taraflex® Combisport returns the energy the player needs to enhance performance (running, jumping, etc).

Returning energy without vibration allows the player to improve his skills whilst protecting his body and reducing fatigue.

## Taraflex® Systems: the competitive advantage

### Technical Data

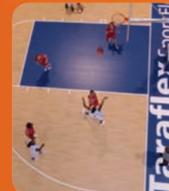
Description	Standard	Requirement	Units	Taraflex® Combisport 28 with Taraflex® Sport M Plus	Taraflex® Combisport 85 with Taraflex® Sport M Plus	Taraflex® AE 28 with Taraflex® Surface	Taraflex® AE 85 with Taraflex® Surface
<b>Product Description</b>							
Surface Treatment	-	-	-	Triple-Action Protecso®	Triple-Action Protecso®	Triple-Action Protecso®	Triple-Action Protecso®
Multilayer Surface	-	-	-	D-Max™	D-Max™	D-Max™	D-Max™
Foam Backing	-	-	-	Double Density CXP™	Double Density CXP™	-	-
Typical total System height*	EN 428	-	mm	35 (28mm profile+7mm TX Sport M Plus)	Adjustable 88-97 (81-90mm profile+ 7mm TX Sport M Plus)	30 (28mm profile+ 2mm TX Surface)	Adjustable 83-92 (81-90mm profile+ 2mm TX Surface)
Weight of panels	EN 430	-	Kg/m <sup>2</sup>	17.6	21	15.7	21
Length of panels	EN 426	-	lm	2.4	2.4	2.4	2.4
Width of panels	EN 426	-	lm	0.6	0.6	0.6	0.6
<b>Sports Characteristics</b>							
EN 14904 Classification	-	-	-	C4	C4	A3	A4
Shock Absorption	EN 14808	≥ 25%	%	56	63	49	56
Vertical Deformation	EN 14809	≤ 5	mm	≤ 5	≤ 5	≤ 5	≤ 5
Energy Return	NF P 90 203	≥ 0.31	m/s	≥ 0.31	≥ 0.31	≥ 0.31	≥ 0.31
Sliding Coefficient	EN 13036-4	80 ≤ x ≤ 110	-	80 ≤ x ≤ 110	80 ≤ x ≤ 110	80 ≤ x ≤ 110	80 ≤ x ≤ 110
Ball Bounce	EN 12235	≥ 90%	%	98	≥ 90	≥ 90	≥ 90
<b>Technical Characteristics</b>							
Abrasion Resistance	EN ISO 5470-1	≤ 1000	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
<b>Classification</b>							
Fire	EN 13501-1	-	-	C <sub>f</sub> -s1	C <sub>f</sub> -s1	C <sub>f</sub> -s1	C <sub>f</sub> -s1
Anti-bacterial and fungicidal treatment	-	-	-	Sanosol®	Sanosol®	Sanosol®	Sanosol®
<b>CE Marking</b>							
CE	EN 14 904 : 2006	-	-	Fire Force Reduction Sliding Coefficient	Fire Force Reduction Sliding Coefficient	Fire Force Reduction Sliding Coefficient	Fire Force Reduction Sliding Coefficient

\* System height given are for standard product however, other profiles available - please ask for further information.

The proposed specifications fall within the tolerance limits usually accepted in this sector whilst still complying with standards.

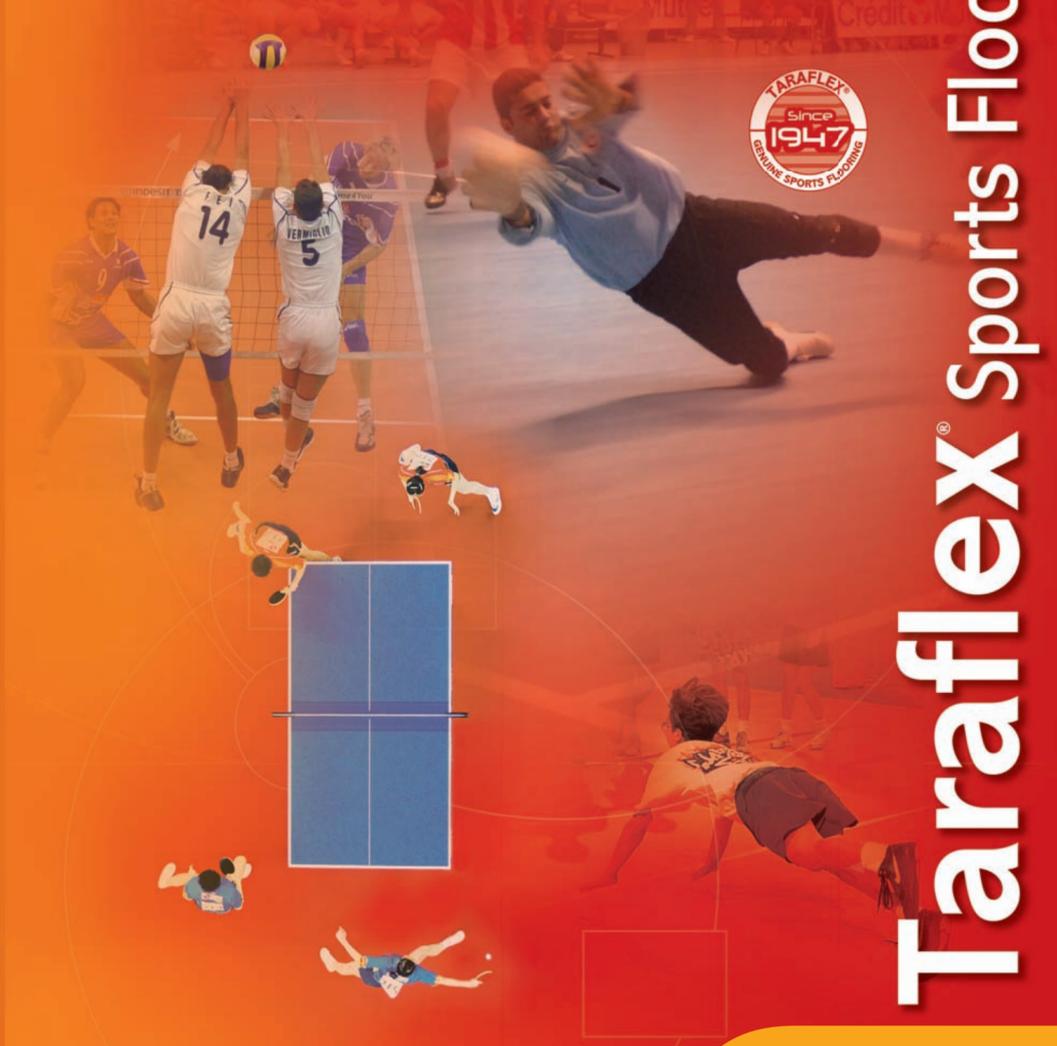
**Taraflex® Sports Flooring:** the World leader in indoor synthetic sport flooring. But don't just take our word for it, take a look at the numbers...

- ▶ Every day **5 million people** enjoy the benefits of Taraflex® Sport Flooring
- ▶ Over **40 million sq metres** installed all around the world
- ▶ Already **55.000 sports facilities** and counting



RC LYON B 726 580 152 - jpe - 09/2008

## Taraflex® Systems EN 14904 compliant



# Taraflex® Sports Flooring

## Taraflex® Systems: 6 good reasons to choose them



- The best sports floors**  
for all users from elite athletes through to casual sports players. Taraflex® Systems combine a high performance sprung floor system with the protection of a Taraflex® surface. Combisport options offer the added benefit of point elastic comfort and increased player safety.

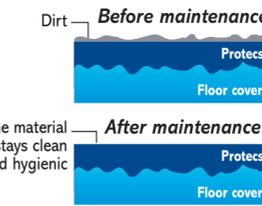


- A comprehensive offer**  
developed to meet your sporting needs and your technical specification: Taraflex® Combisport 85 and AE 85 **ideal for new build** Taraflex® Combisport 28 and AE 28 **ideal for renovation projects.**



- Simple and fast installation**  
Combisport 85: minimal subfloor preparation; no need for smoothing and levelling screeds. Combisport 28: easy snap together system is fast to install: typical 560sqm sports hall takes 3 trained installers just 3 days.

- Low maintenance**  
Protecso® surface treatment



### 5 Fully compliant with the EN Norm



- Taraflex® 85 systems are adjustable to accommodate varying floor heights.**



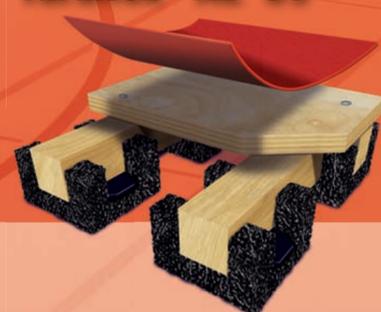
Gerflor Ltd  
Wedgcock House - Wedgcock Lane  
WARWICK CV34 5AP - UK  
Sample Service: Phone: +44 08702 647581  
Office: Phone: +44 01926 401500  
Fax: +44 01926 401647  
contractuk@gerflor.com

www.gerflor.co.uk  
www.gerflor.ie



## ► Taraflex® Area Elastic Systems

### Taraflex® AE\* 85



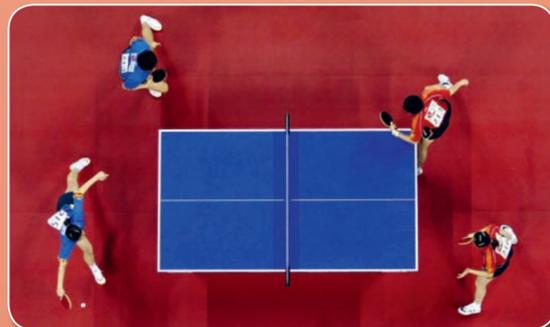
### Taraflex® AE\* 28



Combines the benefits of a Taraflex® Surface with a sprung floor undercarriage system:

- Triple Action Protecso® Surface
  - Prevents friction burns
  - Optimises foothold and slide to prevent injury and improve performance
  - Low maintenance - a "no polish for life" surface
- EN compliant: category A4 with 56% force reduction (AE 85) or A3 with 49% force reduction (AE 28)
- Wide choice of colours and wood designs
- 2 sprung floor systems: choose the best solution to meet your technical needs
  - AE 28 for low profile / renovation projects
  - AE 85 for floors with uneven subfloors / new build projects

\* AE = Area Elastic ; denotes that this option does not include a CXP™ closed foam point area elastic solution.



## ► The secrets of Taraflex® Sport M Plus



**1 Triple-Action Protecso®**  
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. ie. 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.



**2 D-Max™ Multi-layer**  
The tough D-Max™ multi-layer 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 and combined with a reinforced, fibreglass grid, the D-Max™ multi-layer is another first for the Taraflex® R&D team.



**4 Sanosol® Antibacterial and Fungistatic treatment**  
Factory applied, this essential treatment provides protection for the full life of the product.



## ► With Taraflex® Combisport Systems players and athletes enjoy the double protection of point and area elastic safety



### Taraflex® Combisport 28

Ideal for installations requiring a low profile floor / renovation projects



**Performance**  
The patented sprung floor undercarriage system comprises tongue and groove panels with pre adhered shock absorbant rubber crumb strips.



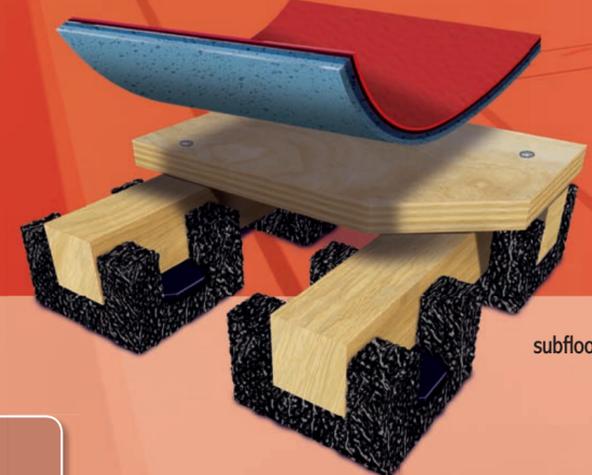
**Resilient**  
The recycled rubber strips, set at 300 mm centres, have a unique «wave shape» to ensure optimum ball bounce and no dead spots.



**Durability**  
The panels have tongue and groove joints which ensure an even, flat floor and rapid installation.



**Toughness**  
The high quality plywood surface is flexible and designed to provide optimum energy return over the full life of the product.



### Taraflex® Combisport 85

Ideal for installations with uneven subfloors - system adjustable up to 9mm

**Players:**  
Teenagers / adults

**Level:**  
Novice / experience / competitive

**Use:**  
Sports in which player momentum (energy return/jumping running, etc) and optimal ball bounce is required (eg: basketball, badminton, etc).

The combination of a fully height adjustable cradle and batten substructure overlaid with plywood and Taraflex® Sport M Plus produces one of the highest specification sports floors available on the market. Fully compliant with EN Standard 14904.



### Taraflex® Combisport 85 - maximum player safety and ball bounce due to patented rubber shock absorbers

«I was amazed to learn that I was playing on a Taraflex® system - the feeling, the acoustics and the bounce were identical to a traditional wooden floor with greater underfoot comfort and resilience.»  
Michael Turner - Basketball player.

