



SPORTS FLOORING

**TARAFLEX®**  
SPORTS

**Gerflor®**  
the flooring group

TARAFLEX® HAS BEEN AROUND  
SINCE 1947 WHEN SYNTHETIC SPORTS  
FLOORS WERE FIRST INVENTED.





## GERFLOR HAS REVOLUTIONISED INDOOR SPORTS PRACTICES AND KEEPS ON INNOVATING!

**Taraflex® is the best performing product on the market.**

Protection and safety are the main concerns when we are developing a new floor. **With a complete range of P1/P2/P3 products, Gerflor offers the perfect solution adapted to all users and usages, from low impact activities through elite and performance sports.**

Gerflor, through IHF and FIVB agreements, has supplied courts for Handball and Volleyball tournaments during the last Olympic Games in Rio in 2016. **Taraflex® is the most widely specified sports surface in the world; it has been selected for 11 consecutive Olympic Games from Montreal to Rio 2016 for indoor surfaces like Handball, Volleyball, Badminton, Table Tennis and Sitting Volleyball.**

Gerflor is committed to ongoing sustainability; incorporated into its floor performance and properties. **Make the Taraflex® choice, it is at least 20 years of quality!**

**TARAFLEX® SPORTS FLOORING  
IS RECOGNISED ALL OVER THE WORLD**

Every day more than **6 million children** play on a Taraflex® sports floor.

**3500 high level competitions** per year are played on Taraflex® sports floor.

# GERFLOR, AN ECO-RESPONSIBLE PLAYER



## LET'S GO FURTHER

We think actions speak louder than words! Hygiene, indoor air quality, safety, acoustic and visual comfort are part of all our product specifications offering benefits for users.

# 1 INDOOR AIR QUALITY



# 2 ENERGY SAVING UP TO 15%

A new colour selection with high reflectance values



# 3 REDUCED MAINTENANCE COSTS

Protocolsol® surface treatment is the most durable on the market. It ensures minimal maintenance and exceptional sustainability of the product.



# 4 A PROACTIVE POST MANUFACTURING WASTE MANAGEMENT

- Made from 30% recycled vinyl
- 100% recyclable



# 5 A SECOND LIFE PROGRAMME FOR POST INSTALLATION WASTE

Re-use of post installation waste and redundant materials



# 6 SELECTED AND RESPONSIBLE RAW MATERIALS

- NO** heavy metal
- NO** solvent
- NO** formaldehyde
- NO** substance potentially subject to REACH\* restrictions

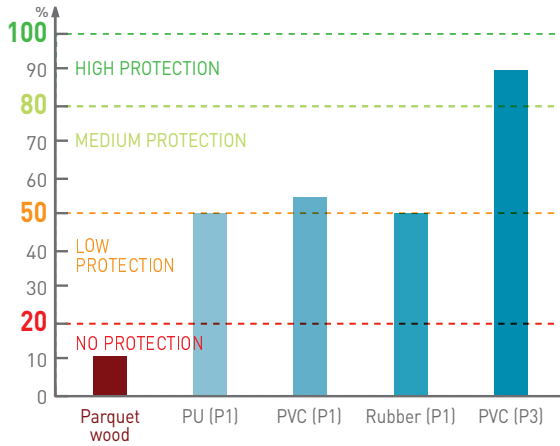


\*REACH is the European regulation on registering, assessing and authorising chemical products within the European Union

# WHY YOU SHOULD CHOOSE TARAFLEX®

## FOR PROTECTION

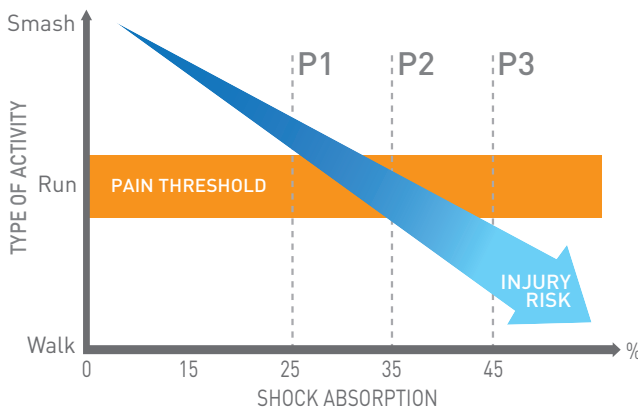
The floor that brings **immediate protection on impact** to all users when falling, diving or sliding on the floor.



Gerflor offers Taraflex® Comfort, a P3 floor with **the highest level of comfort on the market.**

## FOR SAFETY

Shock absorption **minimizes the force** of impact on the body and reduces long term injury risk.

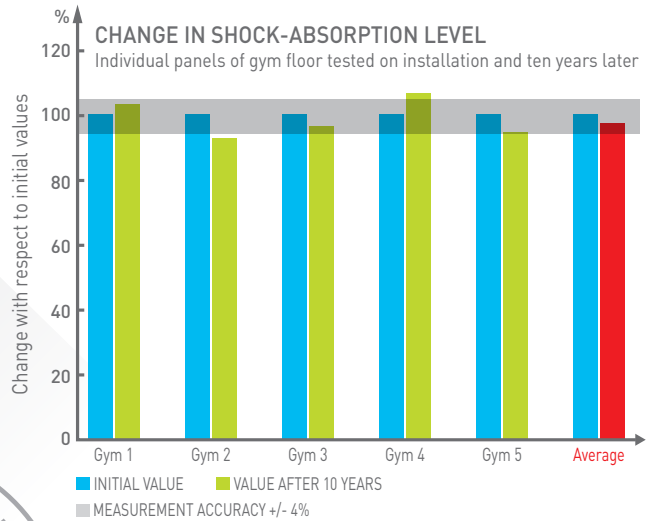


With a complete range of shock absorption **P1/P2/P3**, Gerflor provides the right solution and the best safety for users.

# 3

## FOR LIFE

Taraflex® technology ensures a long lasting high performance of the products for the **LIFETIME OF THE FLOORS.**



Study available on demand.

Gerflor guarantees the category P1/P2/P3 after 10 years use.



# 4

## FLOORS FOR CHAMPIONS

### PARTNER OF MAJOR SPORTS EVENTS



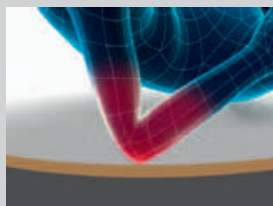


# IPI

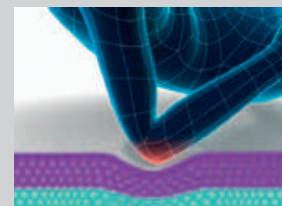
NEW

= IMPACT PROTECTION INDEX

$\leq 50\%$	low protection
$50\% < \text{IPI} \leq 80\%$	medium protection
$> 80\%$	high protection



Small surface impact area, **low IPI floors**, high risks of immediate injuries.



High impact surface area, **high IPI floors**.

*"I have participated in a biomechanical study with Poitiers University, French Ministry of Equipment and Gerflor; it has demonstrated that P3 point elastic sport floors bring the highest level of protection to reduce bone trauma on users ranging from toddlers and athletes to seniors. Shock absorption is not enough."*

**Yves Touchard** - Technical Coordinator for Sport Studies,  
French Ministry of Education - France





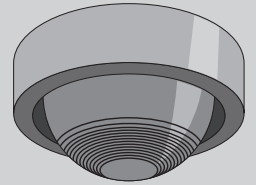
# PROTECTION (IPI)

► **PROTECTION** is the property of the floor that reduces **immediate injuries** when falling, diving, sliding on the floor for all users (children, adults, athletes...)

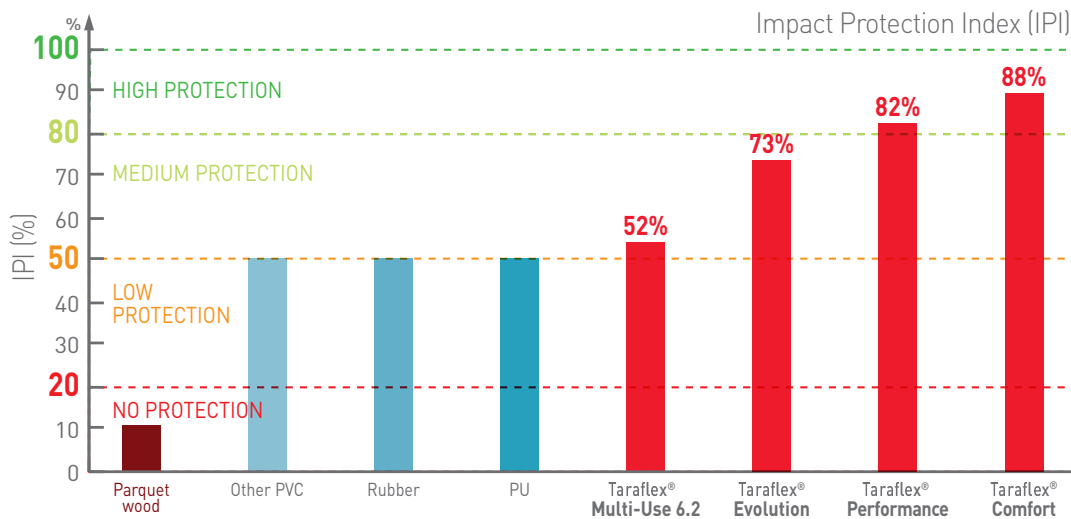
► **NOW WE CAN MEASURE IT!**  
Accelerometric impactor to measure the level of protection of sports floors (AC P 90-205).

► **THE HIGHER THE IPI** (Impact Protection Index), **THE HIGHER THE PROTECTION** (less pain, less bones traumatisms...)

IPI Impactor



TARAFLEX® RANGE offers high performing IPI



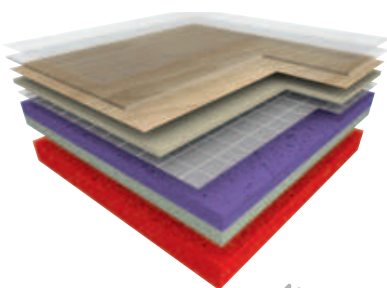
**SOURCES:**

- ETH Zurich study
- Poitiers University biomechanical study
- AFNOR recommandation letter AC P 90-205

## GERFLOR'S ANSWER

TARAFLEX® COMFORT

PROTECSOL D-MAX CXP HD



- The highest level on the market: **IPI = 88%**
- Recommended by the French ministry of Equipment for Children's exercise rooms in all schools

12.5mm

P3

# THE SECRETS OF TARAFLEX® SPORTS FLOORING

## 1 TRIPLE ACTION Protocolsol®

A **surface treatment** with the unique and patented triple action Protocolsol®, offers three key benefits:

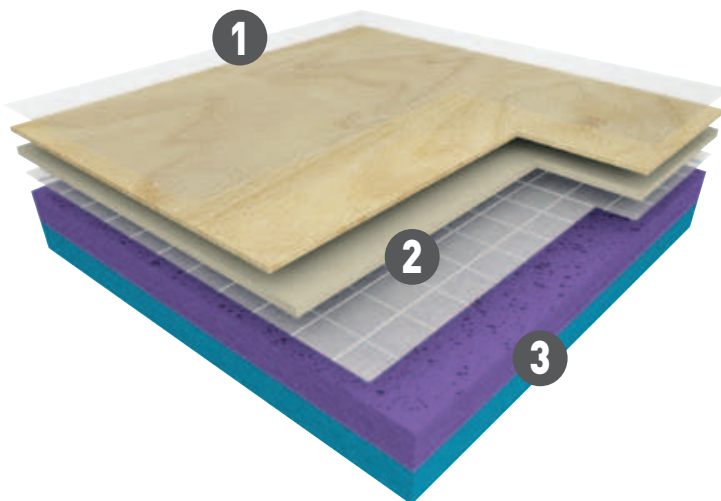
- ▶ An 'intelligent' surface treatment, forming the ideal compromise between slide and grip for sports shoes. The floor provides safe grip and resistance as the athlete accelerates but allows the feet to move freely as they rotate.
- ▶ A **skin-burn free surface**, on which the temperature during a fall is reduced by 25%, thus minimising the risk of friction burns.
- ▶ A surface that is **cost effective and easy to maintain**.

## 2 DURABILITY D-Max™ / DURABILITY D-Max+™

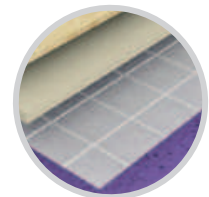
**D-Max™** surface is a **UNIQUE** complex made up of **calendered PVC sheets reinforced with fibreglass grids** ensuring high durability of Taraflex® Sports Flooring.

**D-Max+™**, an exclusivity Taraflex®, is reinforced with two fibreglass grids providing:

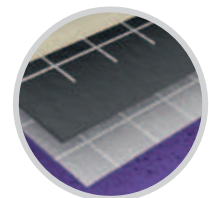
- ▶ **Outstanding dimensional stability** (>0.1%)
- ▶ An **indentation resistance** improved by 35% to increase the range of floor usages



DURABILITY D-Max™



DURABILITY D-Max+™



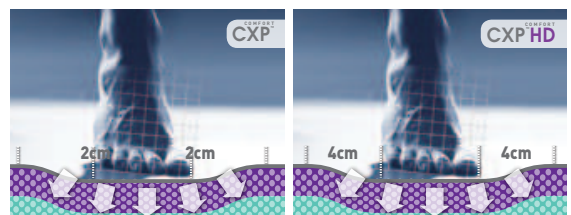
## 3 COMFORT CXP™ HD

The manufacturing process for **CXP** (Cellular Xtreme Process) **closed-cell foams** has now been combined with the 'very high density' **VHD** foam technology developed by Gerflor.

**Why use a double density foam?**

**At the moment of impact on the floor:**

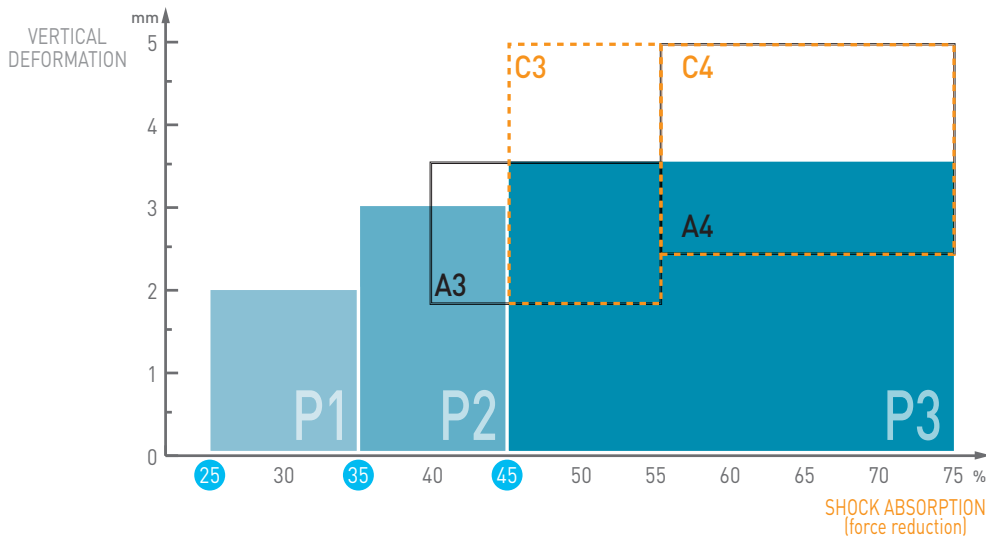
- ▶ The light and elastic foam of the lower layer compresses totally in order to ensure **protection and safety**.
- ▶ The VHD foam of the upper layer remains firm, making the deformation trough around the foot two times larger for more freedom of movement in rotation and secure foothold to minimise **the injury risk**.



▶ The combination of Protocolsol®, D-Max™/D-Max+™, CXP™ HD foam ensures that Taraflex® Sports Flooring are durable and high performing.

# EN 14904 EUROPEAN SPORTS FLOORING STANDARD

EN 14904 Standard: minimal performance requirements to be met by indoor sports floors



**P1, P2, P3:**  
Point-elastic floor shock absorption classes as per the European Standard

## 3 types of sports floors:

- 1 **Point-elastic floors** such as Taraflex® (Taraflex® Evolution, Taraflex® Performance, Taraflex® Comfort and Taraflex® Multi-Use 6.2).
- 2 **Area-elastic floors** such as sprung wooden floors.
- 3 **Combined floors**, providing a combination of point-elastic and area-elastic floor features.

## Standard values:

The EN 14904 standard determines force reduction classes for all floors. The objective is to draw attention to the necessity of installing safe, comfortable floors that reduce the risk of injuries.

EN 14904	DESCRIPTION	STANDARD	REQUIREMENT	UNITS
SPORTS PROPERTIES	Vertical deformation	EN 14809	≤ 3.5	mm
	Shock absorption (Force Reduction)	EN 14808	≥ 25	%
	Friction coefficient	EN 13036-4	80 - 110	-
TECHNICAL CHARACTERISTICS	Ball bounce	EN 12 235	≥ 90	%
	Indentation resistance	EN 1516	≤ 0.5	mm
	Wheel resistance	EN 1569	≥ 1500	N
	Impact resistance	EN 1517	≥ 8	N/m
	Abrasion resistance	EN ISO 5470-1	≤ 1000	mg
	Gloss	EN ISO 2813	≤ 30	%
	Flatness	EN 13036-7	< 6mm/3m	-
	Fire rating	EN 13501-1	C <sub>f1-s1</sub>	-
CLASSIFICATION	Formaldehyde emission	EN 717-1/2	≥ E1	-
	Pentachlorophenol emission	EN 12673	< 0.1	%

# PRODUCT SELECTION GUIDANCE

IPI

100%

## PROTECTION...

...is a major mechanical property of the sports floor to provide the right level of **immediate comfort** to the users when falling, sliding or diving on the floor: less pains, less bruises, less bone traumatism.

# IPI



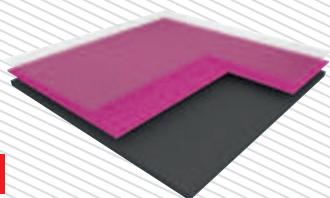
**IPI = IMPACT PROTECTION INDEX**

≤ 50%	low protection
50% < IPI ≤ 80%	medium protection
> 80%	high protection

80%

P1

2.1mm

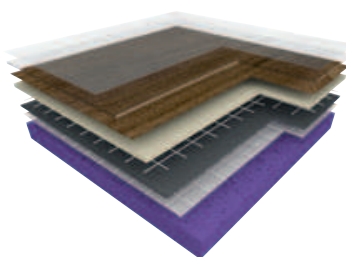


TARAFLEX®  
SURFACE

Protécsol

6.2mm

IPI = 52%

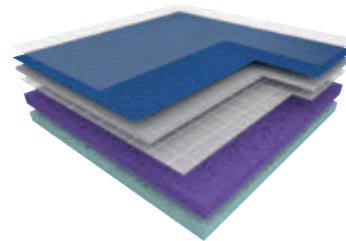


TARAFLEX®  
MULTI-USE 6.2

Protécsol D-Max+ CXP HD

7.5mm

IPI = 73%



TARAFLEX®  
EVOLUTION

Dry-Tex  
SYSTEM

Protécsol D-Max CXP HD

50%

25%

PROTECTION Immediate comfort

**SAFETY** Protection against long-term injuries

## APPLICATIONS

- Toddlers (0-6 years old)
- Education
- Clubs / Competitions
- Adults / Seniors / Leisure
- Multipurpose

TARAFLEX® MULTI-USE 6.2



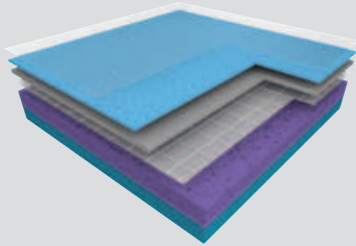
TARAFLEX® EVOLUTION



P2

9mm

IPI = 82%



TARAFLEX®  
PERFORMANCE

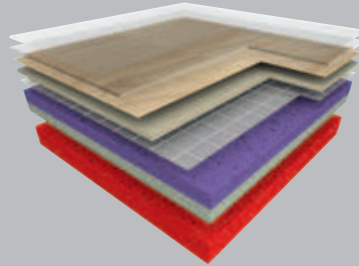
Dry-Tex  
SYSTEM

PROTECSOL D-MAX CXP HD

P3

12.5mm

IPI = 88%



TARAFLEX®  
COMFORT

PROTECSOL D-MAX CXP HD

## SAFETY

Protection against **long term injuries** less shin splints, less tendonitis.

## SA%



SA% = SHOCK ABSORPTION (EN 14904)

25% ≤ P1 < 35%

35% ≤ P2 < 45%

45% ≤ P3

35%

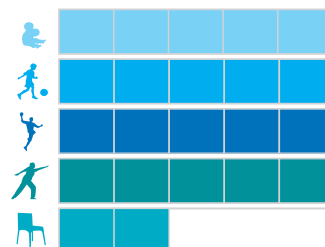
45%

SA%

TARAFLEX® PERFORMANCE

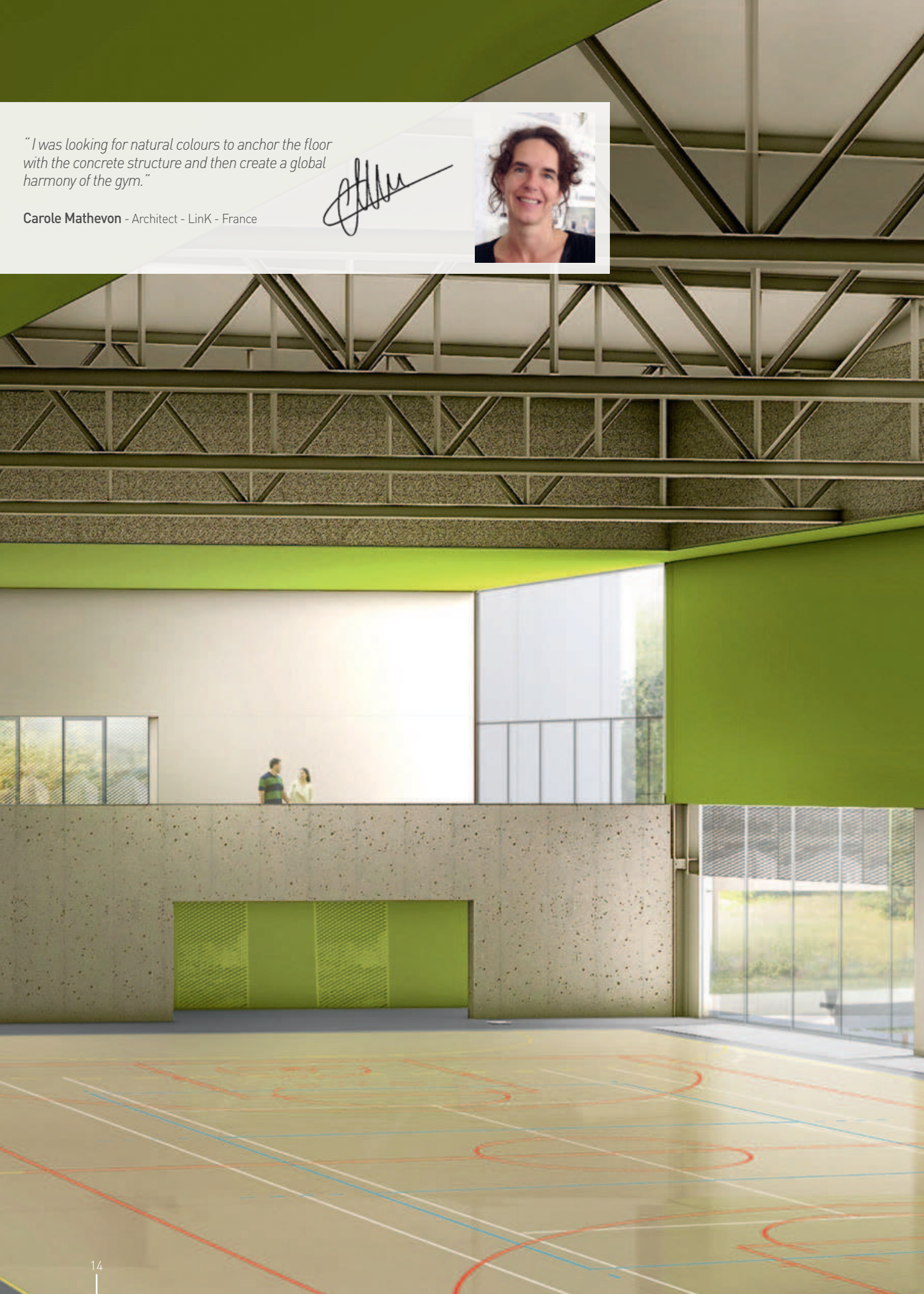


TARAFLEX® COMFORT



*"I was looking for natural colours to anchor the floor with the concrete structure and then create a global harmony of the gym."*

**Carole Mathevon** - Architect - LinK - France



# 3D COURT DESIGNER

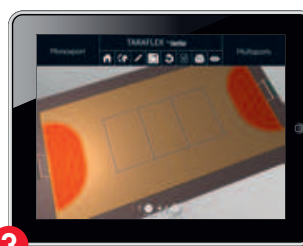
## TO VISUALISE YOUR PROJECT IN 3D



**1** Choose your surface:  
monosport or  
multisports



**2** Choose your colours



**3** Visualise  
your surface in 3D

Also available on [gerflor.com](http://gerflor.com)



## MY TARAFLEX®

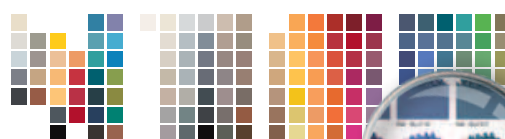
### FOR CUSTOMISED FLOORS

**1** Choose your colours from 130 references

**2** Receive your prototype free of charge within 15 working days of your request (excluding shipping time and maximum of 3 per completed form)

**3** Validate ✓

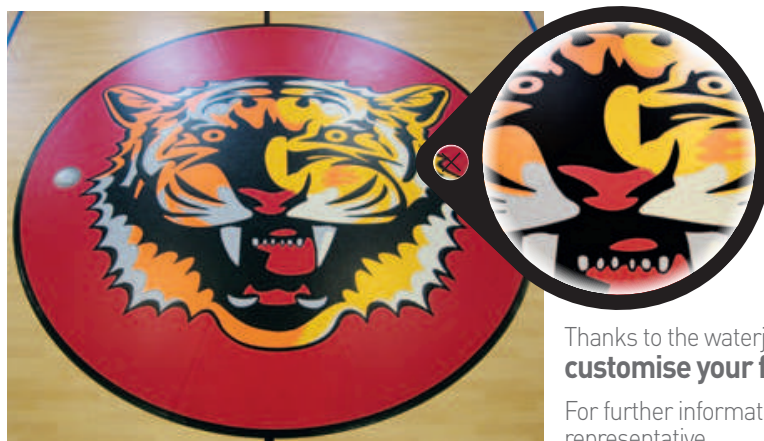
Condition: minimum order quantity 1000 sqm  
per colour and per project



Visualise your harmonies on [mytaraflex.gerflor.com](http://mytaraflex.gerflor.com)

## MY LOGOS

### FOR A STUNNING RESULT



Thanks to the waterjet cutting technology,  
**customise your floor** with your city or club colours.

For further information, please contact your sales representative.

# TURN YOUR DESIGN INTO REALITY



6350 - Light Cherry Design / Y = 43.3



6873 - Anthracite / Y = 20.5



6159 - Pink / Y = 19.1



6559 - Spring / Y = 47.1



6830 - Black / Y = 3.1

All colours are available with Taraflex® Surface, Taraflex® Evolution, Taraflex® Performance and Taraflex® Comfort



6347 - Beige / Y = 39.7



6570 - Mint Green / Y = 16.6



6557 - Forest / Y = 10.9



6375 - Oak Design / Y = 27.8

(Y): Light reflectance values according to the EN 13 745  
Participates to lighting energy saving when Y > 20





6381 - Maple Design / Y = 38.5



6180 - Red / Y = 9.8



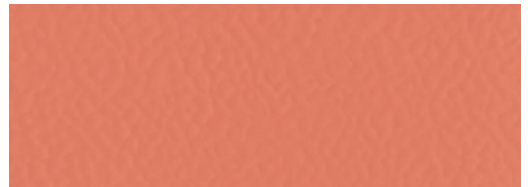
6038 - Terracotta / Y = 19.9



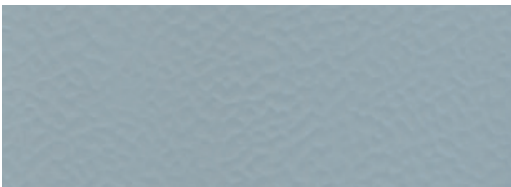
6211 - Gold / Y = 41.5



3764 - Taupe / Y = 17.9



6146 - Coral / Y = 27.8



6758 - Silver Gray / Y = 32.6



6431 - Teal / Y = 19.2



6445 - Lagoon / Y = 24.9



6430 - Blue / Y = 8.0



2404 - London Light Blue / Y = 33.8



*Taraflex® Multi-Use 6.2 colour range made the difference. It is both dynamic during sporting activities, elegant and modern during non sporting events.*

**Nathalie Destock** - Architect - France



# TARAFLEX® MULTI-USE 6.2



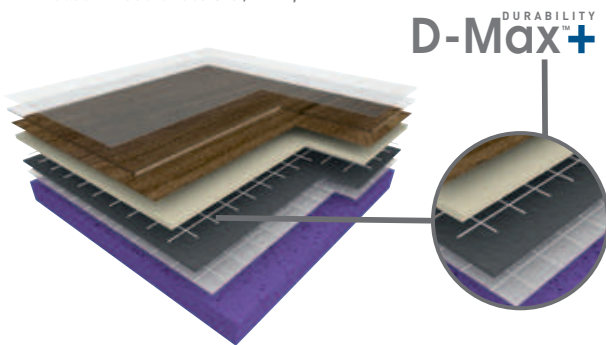
8068 - Wood Chocolate / Y = 9,4



4453 - Wood Blue / Y = 17,9



8840 - Wood Black / Y = 17,2



4331 - Wood Natural / Y = 29,9



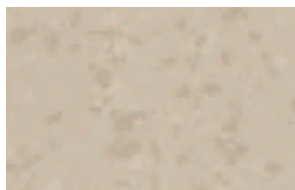
3708 - Wood Grey / Y = 34,2

# TARAFLEX® SURFACE MASK

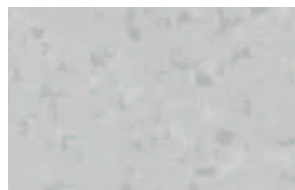
Only available on a wood under-carriage system



6032 - München / Y = 55,4



6031 - Berlin / Y = 48,5



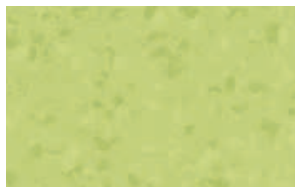
6009 - Frankfurt / Y = 52,4



6029 - Bonn / Y = 32,5



6035 - Dresden / Y = 33,1



6027 - Aachen / Y = 44,6



6055 - Freiburg / Y = 14,9



6046 - Celle / Y = 10,6



6016 - Hamburg / Y = 30,5

# INNOVATIVE SOLUTIONS WHATEVER YOUR APPLICATION

**SHOWER ZONE**  
Shower System



**SPORT HALL**  
Taraflex® Sport Flooring



**FLOOR PROTECTION**  
Taraflex® Bateco



**ENTRANCE MATS** **ROMUS**  
Romat



## CHANGING ZONE

Tarasafe



## WALL PROTECTION

SPM by **Gerflor**  
Decochoc theflooringgroup



## STORAGE AREA

GTI Tiles



## FREE WEIGHT AND CARDIO ZONE

GTI Tiles



## INFIRMARY

Taraflex® Evolution  
Creation planks



## OFFICE

Taralay Impression  
Creation planks



## WELCOME ZONE

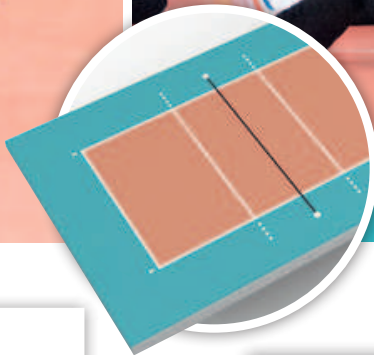
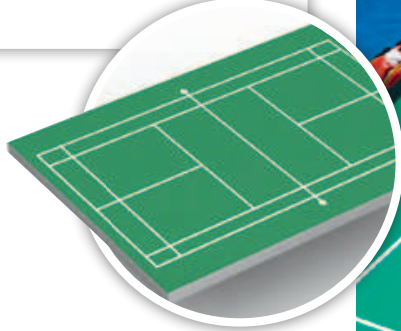
Taralay Premium  
Creation planks

# PERFORMANCE SPORTS

## BADMINTON

*"The use of a Gerflor surface improves the quality of our training environment because it replicates the type of floors used at international competitions. The level of impact absorption achieved by Gerflor also helps to reduce foot traction problems and impact injuries, compared with a wooden floor."*

Jens Grill - Performance Director, Badminton England - UK



## VOLLEYBALL

*"The first time I played on Taraflex® was at the Olympics. It's the best volleyball surface in the world. Every player and child deserves to play on Taraflex®."*

Caren Kemner - Owner of Riverfront Athletic Club  
Voted best female volleyball player in the world by the FIVB - USA



## SITTING VOLLEYBALL

*"The American team loved the Paralympic Floor. This is my third Paralympic Games so I've played on a lot of different types of flooring but this was by far my favorite. It was easy to move on which allowed for some really exciting play throughout the tournament! We wanted to roll it up and take it home with us."*

Kendra Lancaster - USA Olympic Committee - USA





## NETBALL / BASKETBALL

*"The feed back so far from the players, coaches and referees regarding the surface has been very encouraging. It looks great on TV and we feel it will have a positive effect against injuries usually sustained playing on timber."*

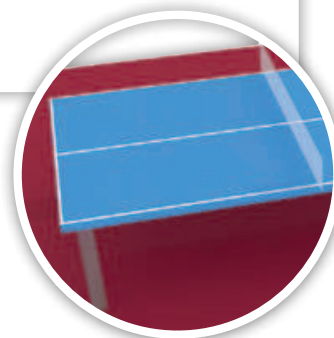
Mike Watson - Performance Competition Manager - UK



## TABLE TENNIS

*"For me the floor has a crucial importance. The grip should be perfect balanced so the moves during the exchanges should be easy and comfortable."*

Werner Schlager - Table Tennis World Champion - AUSTRIA



## HANDBALL

*"We've been partner with Gerflor since 2004, flooring is an essential part of our identity and is an indispensable asset for our sport."*

Michael Wiederer - EHF Secretary General - AUSTRIA





Taraflex® Evolution



# PRODUCT SPECIFICATION GUIDELINES

Choose your floor according to your usage

	Basketball	Volleyball	Handball	Netball	Floorball	Futsal	Tennis	Table Tennis	Badminton	Multi-sports	Multi-purpose	Rolling Sports / Disability sports
TARAFLEX® COMFORT (P3)		■	■	■	■					■		
TARAFLEX® PERFORMANCE (P2)	■	■	■	■	■	■				■		
TARAFLEX® EVOLUTION (P1)		■				■		■	■	■		
TARAFLEX® MULTI-USE 6.2 (P1)						■					■	
TARAFLEX® SURFACE	Installed over undercarriage system							Installed over undercarriage system				■
TARAFLEX® TENNIS (P1)							■					
TARAFLEX® TABLE TENNIS 3.7 PORTABLE / 4.5 PERMANENT / 6.2 PERMANENT								■				
TARAFLEX® BADMINTON 3.9 PORTABLE / 4.5 PERMANENT / 7.5 PERMANENT									■			

■ = Recommended / ■ = Possible

WHEN TALKING ABOUT SPORTS  
ACTIVITIES, THE **TARAFLEX® RANGE**  
IS ALWAYS THE IDEAL SOLUTION

TARAFLEX  
by Gerflor

# APPLICATIONS



MAJOR SPORTS EVENTS



SPORTS HALLS

- SCHOOL GYM
- SPORTS HALL



MULTIPURPOSE HALLS



HEALTH AND FITNESS CENTERS



RACKET SPORTS



DISABILITY SPORTS



*"During the London Games preparation, there is no point having a great partner if the product is not right and fit the purpose. It certainly was right as Gerflor delivered when it mattered most in time for London Games"*

*Chris Lipscomb*

**Chris Lipscomb** - Sport Operations Manager, London Organising Committee of the Olympic Games and Paralympic Games Ltd - UK



# MAJOR SPORTS EVENTS

## The expert in removable floors

- ▶ Gerflor is the N°1 preferred flooring partner thanks to our expertise, Taraflex® is valued by many Federations and the Olympic Committees. More than a flooring manufacturer, Gerflor is the favourite partner for major sports events all over the world.
- ▶ Every day 10 high level matches are played on a Taraflex® sports floor.



EUROPEAN HANDBALL FEDERATION



## GERFLOR'S ANSWER

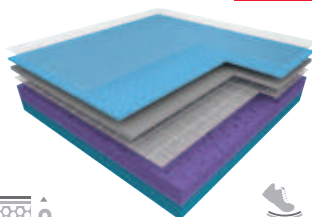
TARAFLEX® PERFORMANCE

PROTECSÖL

D-Max

CXP HD

IPI = 82%



9mm

P2

### Safety and performance!

Today's Taraflex® Performance is the outcome of more than 60 years' experience by Gerflor.





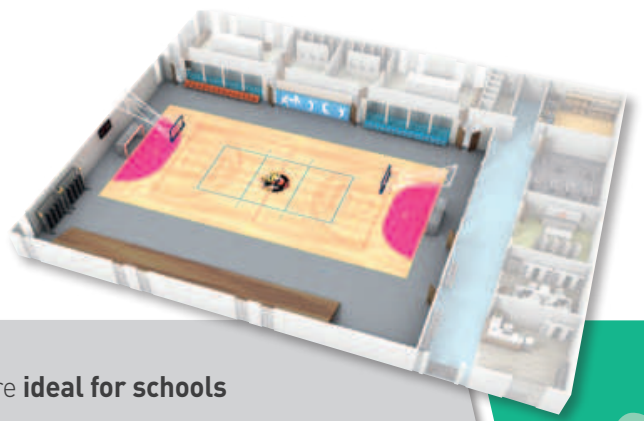
*"We have been delighted with the performance of the floor; not only has it exceeded our performance expectations but it looks good and is easy to clean. It has taken away the hassle factor of having to put down matting for cricket sessions."*

**Andrew Hall** - Director of Sport & PE - UK



# SPORT HALLS

## Sport is part of Education

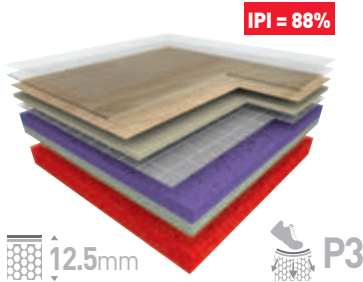


- ▶ Gerflor has a range of multi-sports floorings which are **ideal for schools** **reducing injuries from bumps and falls.**
- ▶ **Taraflex® sports floors** assist more than any other floor, providing a feeling of comfort and protection to ensure that **people enjoy their experience of exercising safely.**

## GERFLOR'S ANSWERS

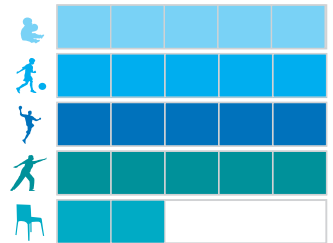
### TARAFLEX® COMFORT

PROTECSOL™ D-MAX™ CXP HD™



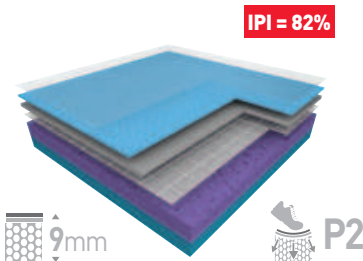
### Maximum protection and safety

The first Taraflex® sports floor in the P3 category! Gerflor's technology and innovation knowledge bring optimal protection and safety during the practice of physical activities for all users, especially children.



### TARAFLEX® PERFORMANCE

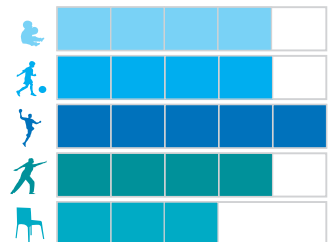
PROTECSOL™ D-MAX™ CXP HD™



### Protection and performance!

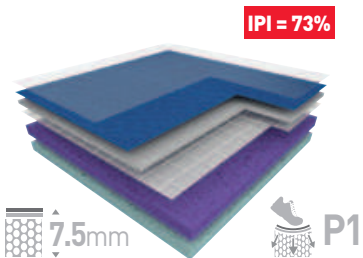
Today's Taraflex® Performance is the outcome of more than 60 years' experience by Gerflor.

**Dry-Tex**  
SYSTEM



### TARAFLEX® EVOLUTION

PROTECSOL™ D-MAX™ CXP HD™



### Sport for all!

Taraflex® Evolution suited to all types of sports and leisure activities.

**Dry-Tex**  
SYSTEM





*"I am so pleased we opted for the Taraflex® product; its versatility has allowed us to use the room for many different activities from short mat bowls and zumba classes to conferences and team building exercises. I am also impressed with the durability of the flooring, it has now been in place for almost 4 years and it still looks as good as new"*



**Curt Green** - Bells Hotel & Forest of Dean Golf and Bowld Club Hotel Manager - UK



# MULTIPURPOSE HALL

## Sport, but not only...

- ▶ **Multipurpose** sports halls are likely to be used for both **sporting activities** (school sports, sports clubs, gym training, etc) and **non-sporting activities** (presentations, public meetings, club activities, examinations, etc).
- ▶ A multipurpose floor should provide **the best compromise between safety during sports practices** (shock absorption) **and mechanical properties** (indentation, impact resistance under tables, chairs and heavy loads).

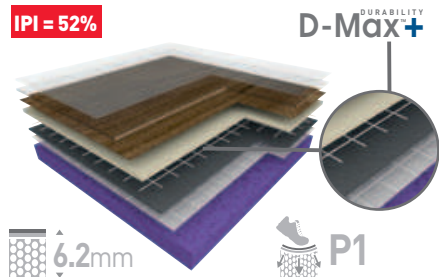


## GERFLOR'S ANSWERS

TARAFLEX® MULTI-USE 6.2

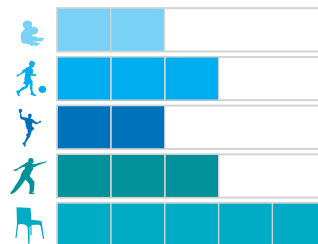
TRIPLE ACTION **Protectsol** DURABILITY **D-Max+** COMFORT **CXP HD**

IPI = 52%

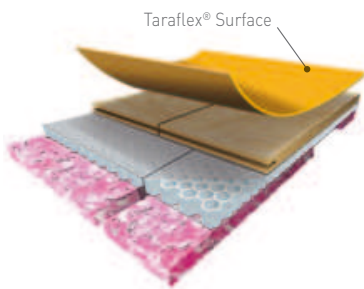


### A sports floor designed for multipurpose

- ▶ A real sports floor in the **P1 category** (complies with EN Standard 14904) 25 to 35% of shock absorption
- ▶ **Triple strength:** two fibreglass grids and one veil for an outstanding **indentation resistance**
- ▶ Excellent resistance to **heavy loads** (static and rolling)
- ▶ Abrasion resistance three times greater than that required by the Standard



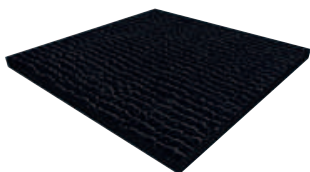
### AREA ELASTIC FLOORS WITH TARAFLEX® SURFACE



### Solution for heavy loads

- ▶ **Taraflex® Surface** combined with an under-carriage system offers an excellent heavy load resistance.
- ▶ A3 / A4 according to the type of under carriage system.

TARAFLEX® BATECO



### Removable protective layer

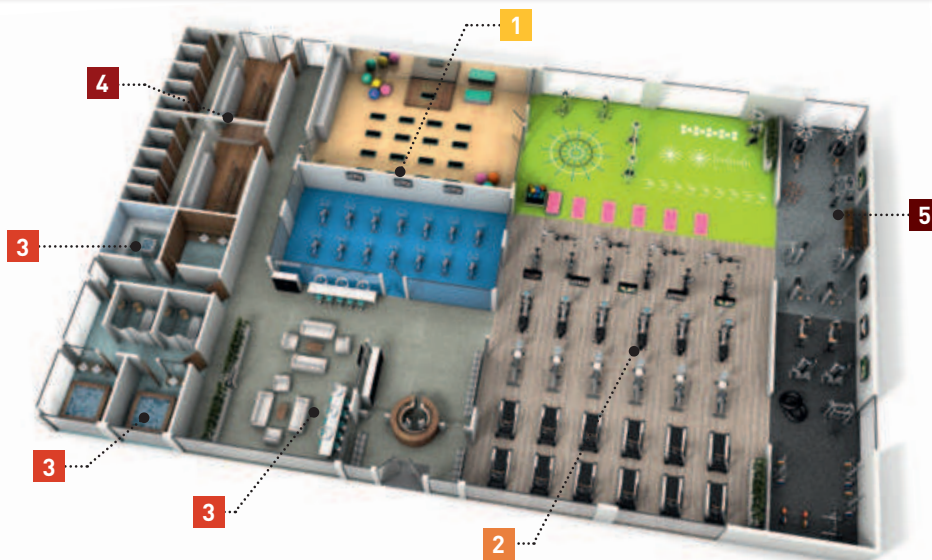
- ✔ Made from 100% post manufacturing recycled waste



# HEALTH AND FITNESS CENTERS

## Create your own ambiance...

- ▶ Customise **your space with the right floor for your needs and your style!**
- ▶ **Gerflor Fitness offer** provides a practical solution for each space that makes up your sports complex. Gerflor experts have developed a **global floor covering solution** integrating technology and design.

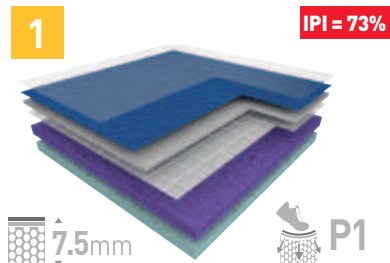


- 1** GROUP EXERCISE AREAS  
GYMNASTICS // AEROBICS // STRETCHING
- 2** CARDIO AREAS  
CYCLING // RUNNING
- 3** RELAXATION AREAS  
BAR // SPA
- 4** CHANGING AREAS // SHOWERS
- 5** FREE WEIGHT

## GERFLOR'S ANSWERS

TARAFLEX® EVOLUTION

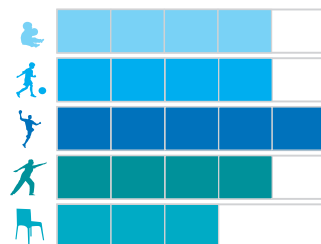
Protectsol® D-Max™ CXP HD



IPI = 73%

### Sport for all!

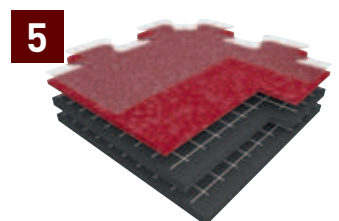
Taraflex® Evolution provides levels of protection and safety suited to all types of sports and leisure activities.



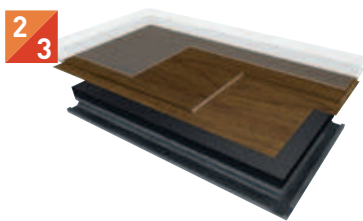
GTI

CREATION CLIC SYSTEM

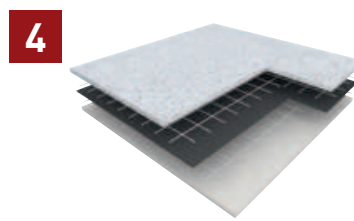
TARASAFE®



Modular solution for heavy loads



Trendy design and easy installation



Antislip floors for wet areas



广汽集团  
GAC GROUP



*"For me the floor has a crucial importance. The grip should be perfectly balanced so the moves during the exchanges are easy and comfortable."*

**Werner Schlager** - Table Tennis World Champion - AUSTRIA

## Specialized surfaces

- ▶ When playing **racket sports**, the floor is part of the game, it participates in the enjoyment of the sport and the success for players.
- ▶ **Racket sport floors** should offer an excellent compromise between slide and grip for lateral displacements, accelerations and changes of directions.
- ▶ Our continual investment in R&D and our lasting **partnership with international sport federations** has earned us our reputation for specialised sports. Gerflor offers a complete range of solutions for **racket sports** (Badminton, Table Tennis and Tennis) with different types of installation methods (portable and permanent floors) to meet the expectations of the players and the facilities.

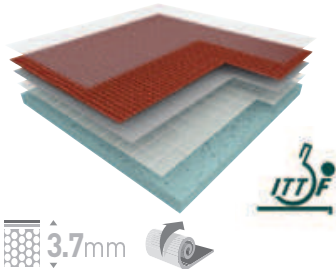


## GERFLOR'S ANSWERS

### TARAFLEX® TABLE TENNIS

Protocolsol® D-Max+®

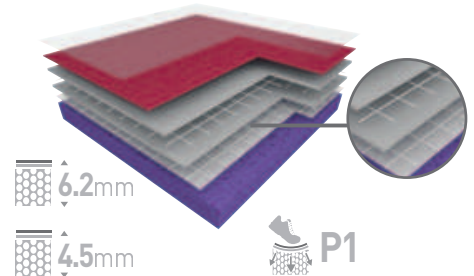
#### PORTABLE SOLUTION



Engineered and developed in partnership with international Table Tennis federation (ITTF)

- ▶ Available in ready to go, easy to install portable playing surface (3.7 mm) and permanent format (4.5 or 6.2 mm)

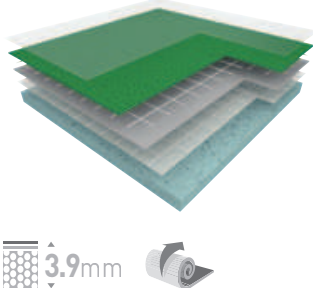
#### PERMANENT SOLUTIONS



### TARAFLEX® BADMINTON

Protocolsol® D-Max+®

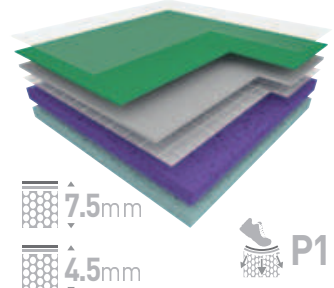
#### PORTABLE SOLUTION



The ultimate in player protection and perfect footing

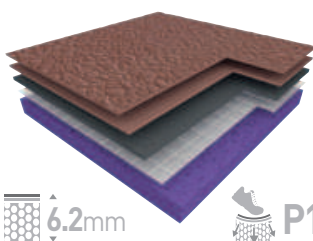
- ▶ Available in ready to go, easy to install portable playing surface (3.9 mm) and permanent format (4.5 or 7.5 mm)

#### PERMANENT SOLUTIONS



### TARAFLEX® TENNIS

D-Max® CXP HD®



The ideal and safest Tennis surface for young beginners, senior players and tennis clubs

- ▶ Fast ball speed



*"The American team loved the Paralympic Floor. This is my third Paralympic Games so I've played on a lot of different types of flooring but this was by far my favourite. It was easy to move on which allowed for some really exciting play throughout the tournament! We wanted to roll it up and take it home with us."*

**Kendra Lancaster** - USA Olympic Committee - USA



## Floors for sports enjoyment!

- ▶ **Taraflex® Sports Floorings** are recognised all over the world for all types of sports. Cushioned floors, with high IPI values, are key features for sitting volleyball and other sitting sports.
- ▶ **Taraflex® multipurpose products** are also suitable for rolling sports.

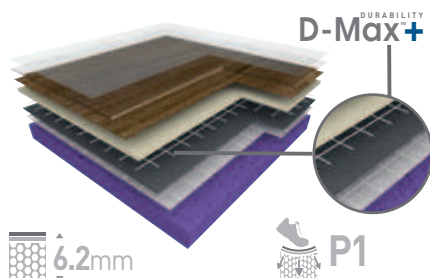
Playing on a Taraflex® sports floor adds to the enjoyment of sport for **ALL** athletes!



## GERFLOR'S ANSWERS

### TARAFLEX® MULTI-USE 6.2

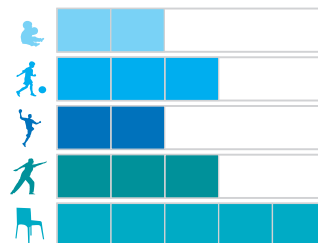
TRIPLE ACTION® **Protécsol** DURABILITY **D-Max+** COMFORT **CXP HD**



6.2mm

A sports floor adapted for wheelchairs and multisports

- ▶ A real sports floor in the **P1 category** (complies with EN Standard 14904) 25 to 35% of shock absorption
- ▶ **Triple strength:** two fibreglass grids and one veil for an outstanding **indentation resistance**
- ▶ Excellent resistance to **rolling loads**



### TARAFLEX® SURFACE

TRIPLE ACTION® **Protécsol** DURABILITY **D-Max**



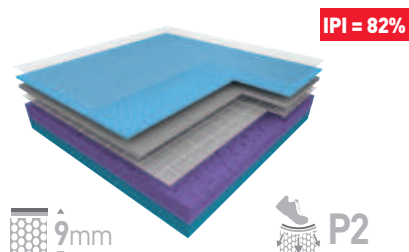
2.1mm

Ideal for rolling sports and heavy duty multipurpose usage

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

### TARAFLEX® PERFORMANCE

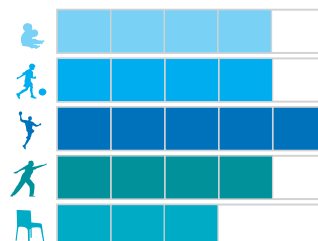
TRIPLE ACTION® **Protécsol** DURABILITY **D-Max** COMFORT **CXP HD**



9mm

Protection and performance!

With an IPI of 82%, **Taraflex® Performance** brings high level of comfort for sitting athletes and participates to the enjoyment of sport!

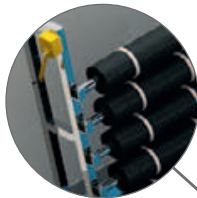


# A FULL AND TECHNICAL RANGE OF ACCESSORIES



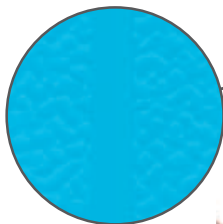
## WALL PROTECTION

- ▶ **Decochoc**  
For storing area or behind the goals
- ▶ Can also be customised with digital printing on the back for sustainable effect



## STORAGE RACK

- ▶ Bateco Storage racks for 4, 6 or 8 rolls. Can be also used for storing portable courts (Handball, Volleyball,...).



## WELDING RODS

- ▶ CR 50 for Taraflex® Range
- ▶ CR 40 for Taraflex® Surface
- ▶ CR 60 for repairs  
100 lm rod



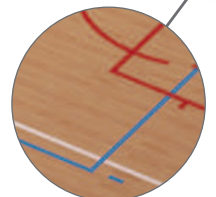
## MY LOGOS WATERJET CUTTING TECHNOLOGY

- ▶ Customise your floor with your city or club colours

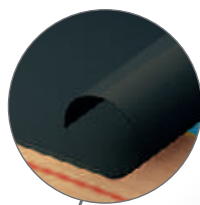


## LINE MARKINGS

- ▶ Permanent markings
- ▶ Temporary markings
- ▶ Markings device

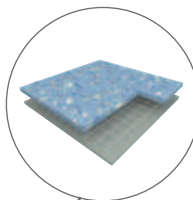






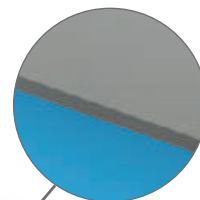
### FLOOR PROTECTION

- ▶ Bateco
- 100% pure recycled PVC



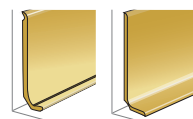
### TARADOUCHE SYSTEM

- ▶ Tarasafe Ultra H20
- ▶ Elegance SD
- ▶ Mural Calypso



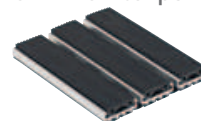
### SKIRTING

- ▶ Vynaflex



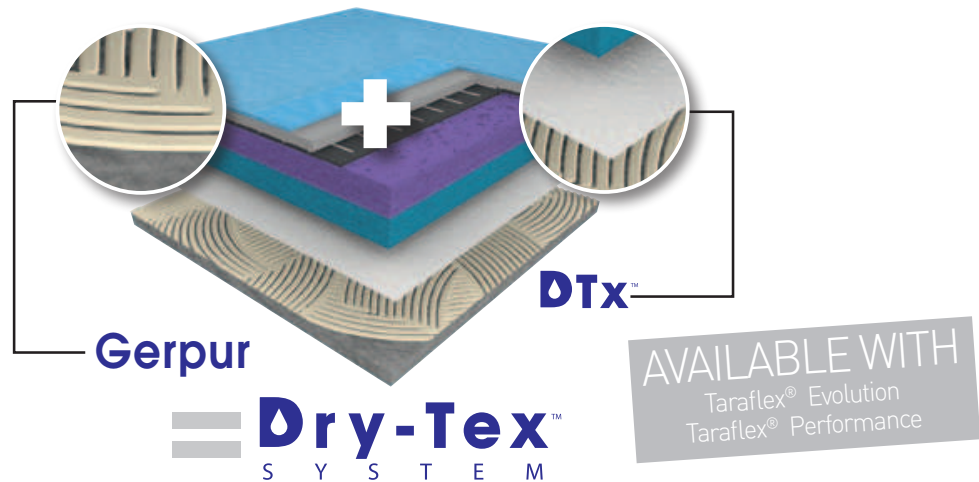
### ENTRANCE CARPET

- ▶ ROMAT GT carpet



# DRY-TEX™ SYSTEM

## NEW CONSTRUCTION - DAMP SUBFLOORS



- ▶ **DTX™** is a revolutionary process integrating a textile material with the CXP™HD foam backing ; this textile backing allows a stronger bonding of the adhesive onto the Taraflex® sports floor.
- ▶ **GERPUR** is a proprietary mono component adhesive using breakthrough technology, which reacts to humidity ; the higher the moisture, the quicker the bonding !



### Product benefits

- ▶ **Save Money** - no need for additional moisture barriers (DPM's) - saving both labour and material costs
- ▶ **Save Time** - no more waiting times for subfloors to reach 75% RH / 7% humidity
- ▶ **Greater Reliability and Performance** - unbeatable bonding strength to the subfloor ensuring long life, high quality performance

### One source, One system, One solution

#### Installation criteria:

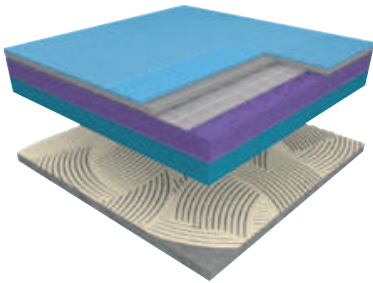
Moisture	No limit*
Flatness	< 6mm / 3m
Surface	Hydraulic concrete**

\*No surface water on the slab / \*\*for more information contact us

**Dry-Tex™**  
S Y S T E M

## OTHER INSTALLATION METHODS

### ▶ GLUED INSTALLATION: “ORIGINAL”



The traditional solution, for use with sound surfaces, has proven itself over 60 years

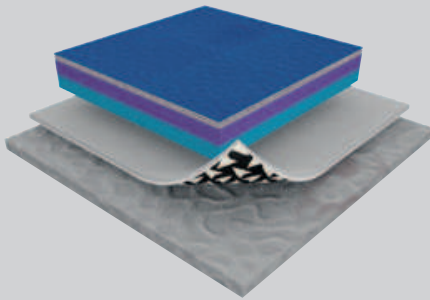
Glue-down installation is possible for all the products in the Taraflex® Sports Flooring range.

▶ **Advantage:**

- An economic solution for sound floor surfaces

Installation criteria:	
Moisture	RH < 80% (BS 8203) or < 4.5% humidity (CCM)
Flatness	< 6mm / 3m
Surface	Hydraulic concrete

### ▶ INSTALLATION ON ISOLSPORT: “FLEXIBLE”



The free-floating multipurpose solution

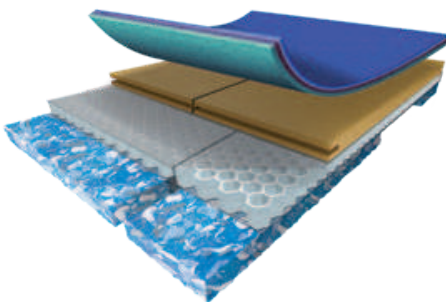
- ▶ For new builds and renovation work alike, depending on the level of dampness.

▶ **Advantages:**

- Free-Floating on delicate surfaces
- Minimises risks from rising dampness (earth surfaces) or delicate surfaces (coated type)

Installation criteria:	
Moisture	RH < 92% (BS 8203) or < 7% humidity (CCM)
Flatness	< 6mm / 3m
Surface	Hydraulic concrete / Porous subfloor

### ▶ INSTALLED OVER UNDERCARRIAGE SYSTEM


















- ▶ Taraflex® sports floors can be installed on all types of undercarriage systems, even those **exposed to rising dampness**, on new builds or as part of renovation work.

- ▶ The flatness tolerances for wooden sub-assemblies are better than those under the EN 14904 Standard.






# MAINTENANCE

	MAINTENANCE TYPE	MAINTENANCE RATING	TOOLS TO BE USED	CLEANING PRODUCTS	MAINTENANCE GUIDELINES
<b>INITIAL MAINTENANCE</b>	MECHANICAL CLEANING	-	  or  if dirty	Neutral detergent or alkaline detergent if dirty (ex: Dynattech Trophy*)	<ul style="list-style-type: none"> <li>• Rotary cleaning machine or scrubbed machine equipped with water vacuum</li> </ul>
<b>DAILY MAINTENANCE</b>	MANUAL CLEANING	1x per day	 	-	<ul style="list-style-type: none"> <li>• Broom without water</li> </ul>
<b>WEEKLY MAINTENANCE</b>	MECHANICAL CLEANING IF MANUAL DAILY CLEANING	2x/week (1x for small halls)	   or  light green	Neutral detergent or alkaline detergent if dirty (ex: Dynattech Trophy*)	<ul style="list-style-type: none"> <li>• Wet broom</li> <li>• Mechanical cleaning</li> </ul>
<b>DEEP-DOWN CLEANING</b>	MECHANICAL CLEANING	Every school breaks (or every 2 months)	  or  light green	Special detergent for scuffing (ex: Traciflex*)	<ul style="list-style-type: none"> <li>• Pour detergent over shoe scuffings</li> <li>• Wait 10 minutes</li> <li>• Clean mechanically</li> </ul>
<b>HANDBALL</b>	MECHANICAL CLEANING	Every school breaks (or every 2 months)	  or  light green	Special detergent for resin (ex: Traciflex*)	<ul style="list-style-type: none"> <li>• Pour detergent over resin</li> <li>• Wait 10 minutes</li> <li>• Clean mechanically</li> </ul>

\* Product distributed by GERFLOR

# TECHNICAL DATA


Description	Standard	Requirement	Units	Taraflex® Surface	Taraflex® Surface Mask	Taraflex® Multi-Use 6.2	Taraflex® Evolution	Taraflex® Performance	Taraflex® Comfort
Dry-Tex™ System	-	-	-	-	-	-			-
<b>Description Product</b>									
Surface treatment	-	-	-	Triple-Action Protecsol®	Triple-Action Protecsol®	Triple-Action Protecsol®	Triple-Action Protecsol®	Triple-Action Protecsol®	Triple-Action Protecsol®
Surface complex	-	-	-	D-Max™	100% PVC	D-Max+™	D-Max™	D-Max™	D-Max™
Foam	-	-	-	-	-	CXP-HD™	Double density CXP-HD™	Double density CXP-HD™	Double density CXP-HD™
Thickness	EN ISO 24346	-	mm	2.1	2	6.2	7.5	9	12.5
Weight	EN ISO 23997	-	kg/m²	2.9	2.58	4.2	4.6	5.4	5.1
Length*	EN ISO 24341	-	lm	26.5 Max	20 Max	26.5 Max	26.5 Max	26.5 Max	26.5 Max
Width	EN ISO 24341	-	lm	1.5	2	1.5	1.5	1.5	-
<b>Sport Properties</b>									
Shock absorption	EN 14808	≥ 25	%	-	-	P1	P1	P2	P3
Impact Protection Index (IPI)	AC-P90-205	-	%	-	-	52	73	82	88
Vertical deformation	EN 14809	≤ 3.5	mm	≤ 2	≤ 2	≤ 2	≤ 2	≤ 3	≤ 3.5
Sliding coefficient	EN 13036-4	80 to 110	-	80 to 110	80 to 110	80 to 110	80 to 110	80 to 110	80 to 110
Ball bounce	EN 12235	≥ 90	%	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90
Ball speed	ITF	-	-	-	-	-	-	-	-
<b>Technical Characteristics</b>									
Abrasion resistance	EN ISO 5470-1	≤ 1000	mg	≤ 350	≤ 350	≤ 350	≤ 350	≤ 350	≤ 350
Impact resistance	EN 1517	≥ 8	N/m	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8
Indentation resistance	EN 1516	≤ 0.5	mm	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
<b>Classification</b>									
Fire	EN 13501-1	-	-	B <sub>fl</sub> -s1	B <sub>fl</sub> -s1	C <sub>fl</sub> -s1	C <sub>fl</sub> -s1	C <sub>fl</sub> -s1	C <sub>fl</sub> -s1
Anti-bacterial activity [E. coli - S. aureus - MRSA] <sup>(1)</sup>	ISO 22196	-	-	> 99% inhibits growth					
<b>CE Marking</b>									
	EN 14 904	-	-	Fire Sliding Coefficient Abrasion Resistance Rolling load Resistance			Fire Shock Absorption Sliding Coefficient Abrasion Resistance Rolling load Resistance		

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

<sup>(1)</sup> The implementation of an effective cleaning method is the best defence against infection

\* For different roll lengths please contact us

 Dry-Tex™ System

Taraflex® Tennis	Taraflex® Badminton			Taraflex® Table Tennis			Taraflex® Bateco	Taraflex® Isolsport
	Portable	4.5	7.5	Portable	4.5	6.2		
-	-	-		-	-	-	-	-
-	Triple-Action Protescol®	PUR Protect®	Triple-Action Protescol®	Triple-Action Protescol®	PUR Protect®	Triple-Action Protescol®	-	-
D-Max™	100% Pur PVC	100% Pur PVC	D-Max™	100% Pur PVC	100% Pur PVC	D-Max+™	-	-
CXP-HD™	CXP™	-	Double density CXP-HD™	CXP™	-	CXP-HD™	-	-
6.2	3.9	4.5	7.5	3.7	4.5	6.2	1.5	1.65
3.8	1.95	2.6	4.6	1.9	2.6	4.2	2.05	1.35
24 STD	16 STD	20.5 STD	26.5 Max	16 STD	20.5 STD	20.5 STD	30 Max	45 Max
1.5	3 x 2.7	1.5	1.5	1.5	1.5	1.5	1.5	2
P1	-	-	P1	-	-	P1	-	-
52	-	-	73	-	-	52	-	-
≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	-	-
80 to 110	80 to 110	80 to 110	80 to 110	80 to 110	80 to 110	80 to 110	-	-
≥ 90	-	≥ 90	-	-	≥ 90	≥ 90	-	-
Class 5 (Fast)	-	-	-	-	-	-	-	-
≤ 350	≤ 350	≤ 350	≤ 350	≤ 350	≤ 350	≤ 350	≤ 300	-
≥ 8	-	-	≥ 8	-	-	≥ 8	-	-
≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.25	≤ 0.5	≤ 0.5
C <sub>fl</sub> -s1	B <sub>fl</sub> -s1	C <sub>fl</sub> -s1	C <sub>fl</sub> -s1	B <sub>fl</sub> -s1	C <sub>fl</sub> -s1	C <sub>fl</sub> -s1	B <sub>fl</sub> -s1	C <sub>fl</sub> -s1
> 99% inhibits growth		-	> 99% inhibits growth		-	> 99% inhibits growth	-	-
Fire Shock Absorption Sliding Coefficient Abrasion Resistance Rolling load Resistance	Fire	Fire Sliding Coefficient Abrasion Resistance Rolling load Resistance	Fire Shock Absorption Sliding Coefficient Abrasion Resistance Rolling load Resistance	Fire Sliding Coefficient Abrasion Resistance	Fire Sliding Coefficient Abrasion Resistance Rolling load Resistance	Fire Shock Absorption Sliding Coefficient Abrasion Resistance Rolling load Resistance	Fire	Fire

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