

TARAFLEX™ SPORTS FLOORING

gerflor.com



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 London in 2012. **Taraflex™ is the most widely specified sports surface in the world; it has been selected for 10 consecutive Olympic Games from Montreal to London 2012 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

Protacosol® 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

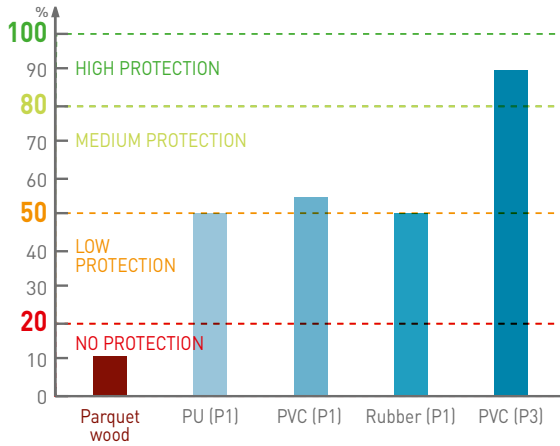


*REACH is the European regulation on registering, assessing and authorising chemical products within the European Union

WHY YOU SHOULD CHOOSE TARAFLEX™

FOR PROTECTION

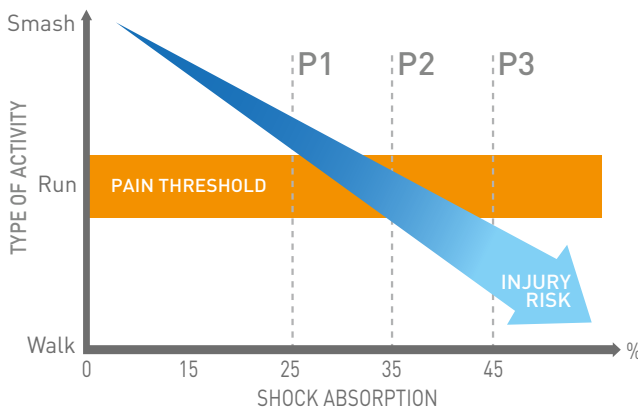
The floor that brings **immediate protection on impact** to all users when falling, diving or sliding on the floor.



Gerflor offers Taraflex™ Sport M 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.

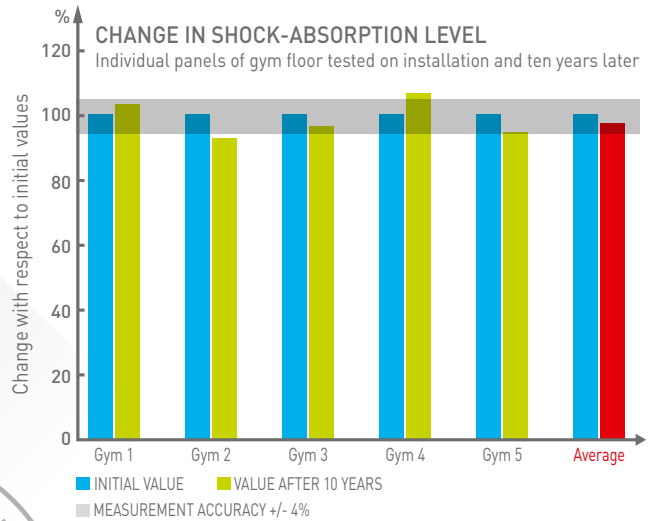


With a complete range of shock absorption **P1/P2/P3**, Gerflor provides the right solution and the best safety for users.

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.



TARAFLEX™
ce
47
SPORTS FLOORING



4

FLOORS FOR CHAMPIONS

PARTNER OF MAJOR SPORTS EVENTS



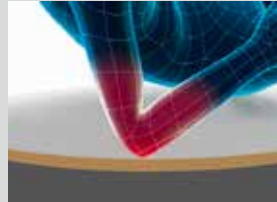


IPI

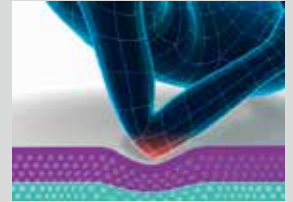
NEW

= 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



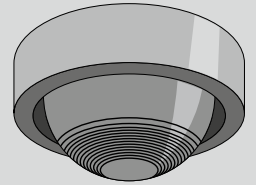
PROTECTION (IPI)

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

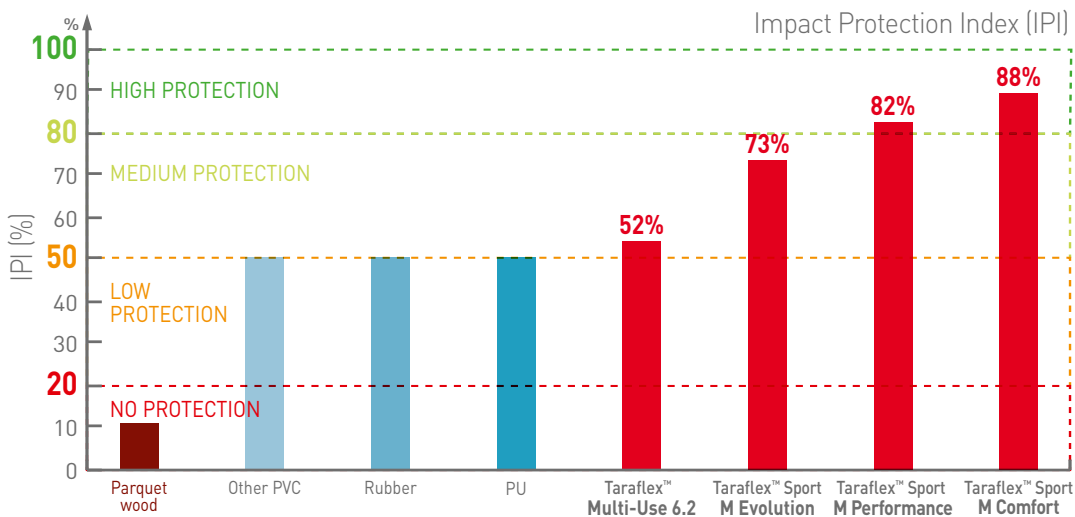
► **NOW WE CAN MEASURE IT!**
Accelerometric impactor to measure the level of protection of sports floors (AC P 90-205).

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

IPI Impactor



TARAFLEX™ RANGE offers high performing IPI



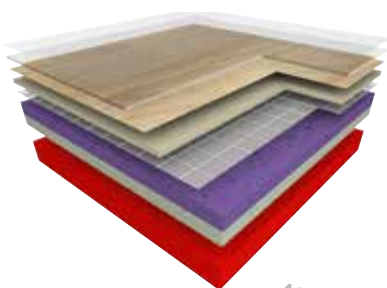
SOURCES:

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

GERFLOR'S ANSWER

TARAFLEX™ SPORT M COMFORT

Protexsol 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



THE SECRETS OF TARAFLEX™ SPORTS FLOORING

1 ^{TRIPLE ACTION} Protecsol®

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

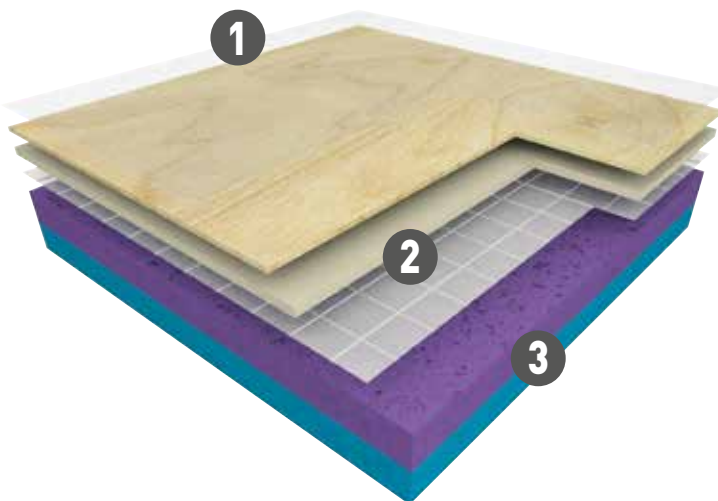
- ▶ An 'intelligent' surface treatment, forming the ideal compromise between slide and grip for sports shoes. The floor provides safe grip and resistance as the athlete accelerates but allows the feet to move freely as they rotate.
- ▶ A skin-burn free surface, on which the temperature during a fall 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™+

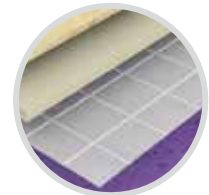
D-Max™ surface is a **UNIQUE** complex made up of calendered PVC sheets reinforced with fibreglass grids ensuring high durability of Taraflex™ Sports Flooring.

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

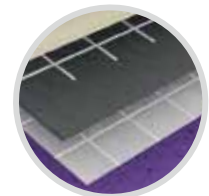
- ▶ Outstanding dimensional stability (>0.1%)
- ▶ An indentation resistance improved by 35% to increase the range of floor usages



^{DURABILITY} D-Max™



^{DURABILITY} D-Max™+



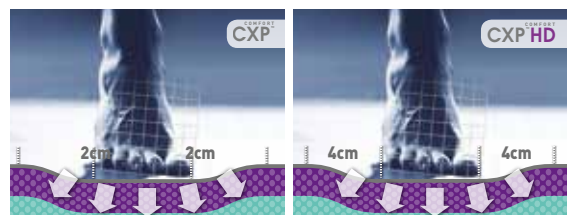
3 ^{COMFORT} CXP™ HD

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:

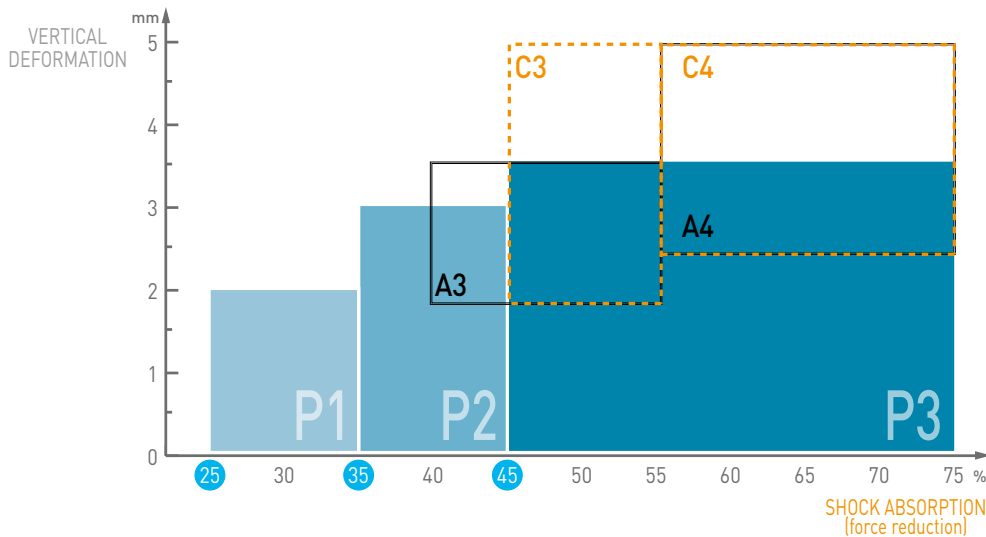
- ▶ The light and elastic foam of the lower layer compresses totally in order to ensure **protection and safety**.
- ▶ The VHD foam of the upper layer remains firm, making the deformation trough around the foot two times larger for more freedom of movement in rotation and secure foothold to minimise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



▶ The combination of Protecsol®, 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™ Sport M Evolution, Taraflex™ Sport M Performance, Taraflex™ Sport M 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	-
CLASSIFICATION	Fire rating	EN 13501-1	C _{f1-s1}	-
	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

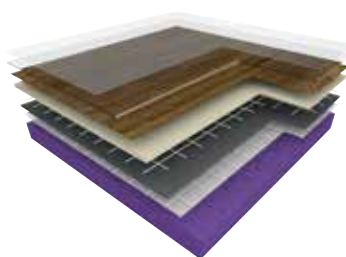


TARAFLEX™
SURFACE

Protécsol

6.2mm

IPI = 52%

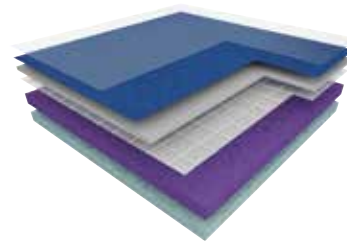


TARAFLEX™
MULTI-USE 6.2

Protécsol D-Max+ CXP HD

7mm

IPI = 73%



TARAFLEX™
SPORT M EVOLUTION

Dry-Tex
SYSTEM

Protécsol D-Max+ CXP HD

50%

25%

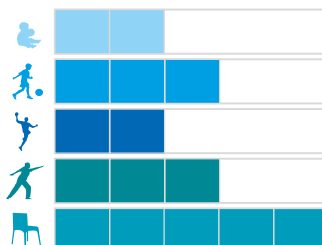
PROTECTION Immediate comfort

SAFETY Protection against long-term injuries

APPLICATIONS

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

TARAFLEX™ MULTI-USE 6.2



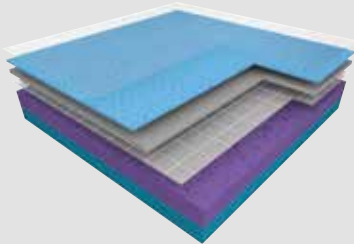
TARAFLEX™ SPORT M EVOLUTION



P2

9mm

IPI = 82%



TARAFLEX™
SPORT M PERFORMANCE

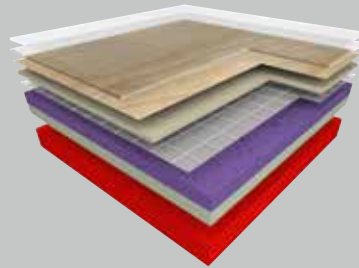
Dry-Tex Eco-Fit
SYSTEM SYSTEM

Protēcsöl D-Max CXP HD

P3

12mm

IPI = 88%



TARAFLEX™
SPORT M COMFORT

Protēcsöl 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%

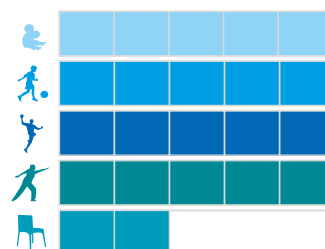
45%

SA%

TARAFLEX™ SPORT M PERFORMANCE



TARAFLEX™ SPORT M 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

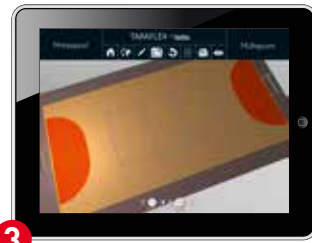
TO VISUALISE YOUR PROJECT IN 3D



1 Choose your surface:
monosport or
multisports



2 Choose your colours



3 Visualise
your surface in 3D

Also available on gerflor.com



MY TARAFLEX®

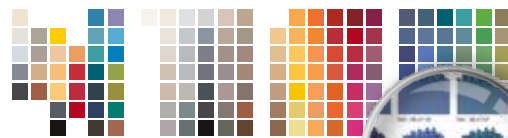
FOR CUSTOMISED FLOORS

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

MY LOGOS

FOR A STUNNING RESULT



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

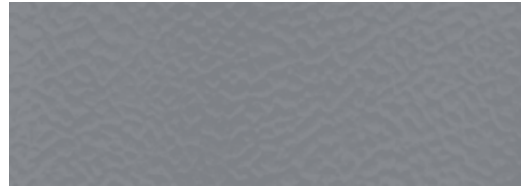
For further information, please contact your sales representative.

TURN YOUR DESIGN INTO REALITY

NEW



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 = 4,2



6347 - Beige / Y = 39,7



6570 - Mint Green / Y = 16,9



6557 - Forest / Y = 10,9

All colours are available with Taraflex™ Surface,
Taraflex™ Sport M Evolution, Taraflex™ Sport M Performance
and Taraflex™ Sport M Comfort



6375 - Oak Design / Y = 29,7

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



6381 - Maple Design / Y = 39,9



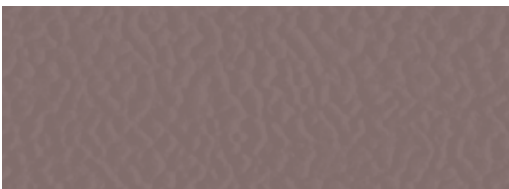
6180 - Red / Y = 10,9



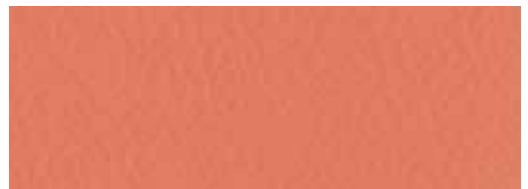
6038 - Terracotta / Y = 19,9



6211 - Gold / Y = 45,7



3764 - Taupe / Y = 17,9



6146 - Coral / Y = 28,7



6758 - Silver Gray / Y = 36



6431 - Teal / Y = 21,4



6445 - Lagoon / Y = 25,7



6430 - Blue / Y = 8,3

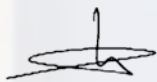


2404 - London Light Blue / Y = 33,8



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



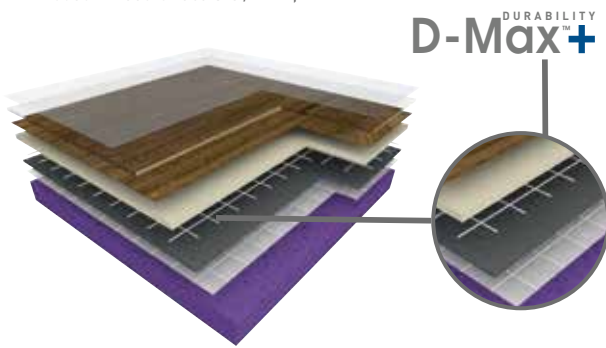
8068 - Wood Chocolate / Y = 9,4



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

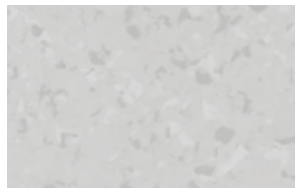
Only available on a wood under-carriage system



6032 - München / Y = 55,4



6031 - Berlin / Y = 48,5



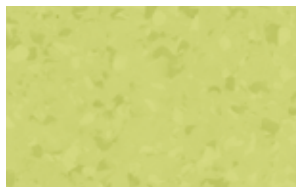
6009 - Frankfurt / Y = 52,4



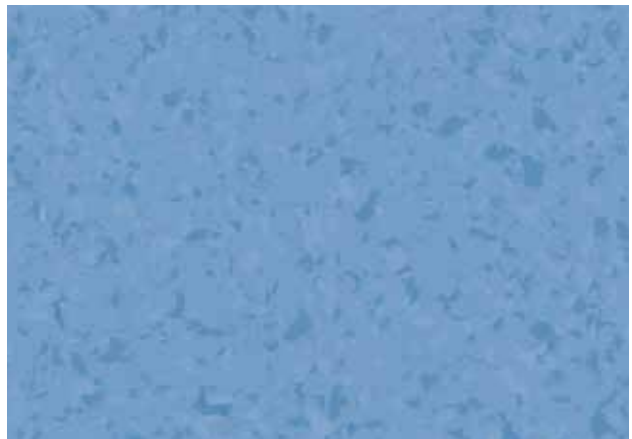
6029 - Bonn / Y = 32,5



6035 - Dresden / Y = 33,1



6027 - Aachen / Y = 44,6



6016 - Hamburg / Y = 30,5



6055 - Freiburg / Y = 14,9



6046 - Celle / Y = 10,6

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™ Sport Evolution
Creation planks



OFFICE

Taralay Impression
Creation planks



WELCOME ZONE

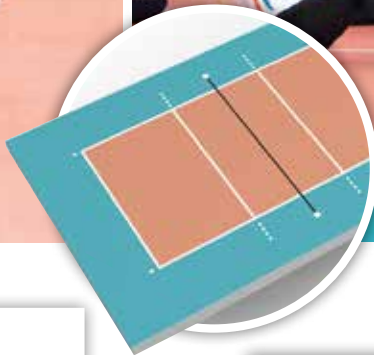
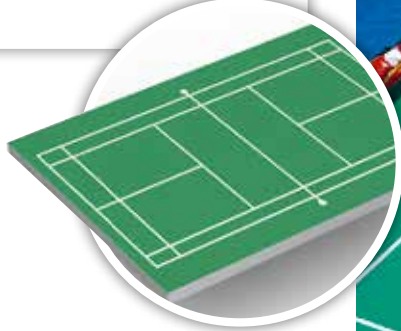
Taralay Premium
Creation planks

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

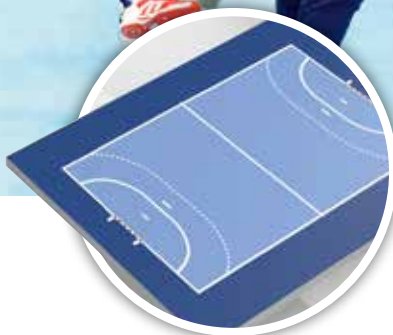


TABLE TENNIS

"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™ Sport M 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™ SPORT M COMFORT (P3)		■	■	■	■					■		
TARAFLEX™ SPORT M PERFORMANCE (P2)	■	■	■	■	■	■				■		
TARAFLEX™ SPORT M 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 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.



GERFLOR'S ANSWER

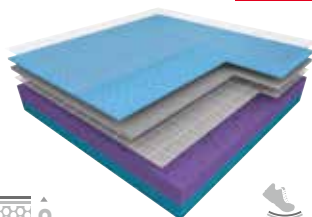
TARAFLEX™ SPORT M PERFORMANCE

Profecsol

D-Max^{ULT}
D-Max+

CXP HD

IPI = 82%



Safety and performance!

Today's Taraflex™ Sport M 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

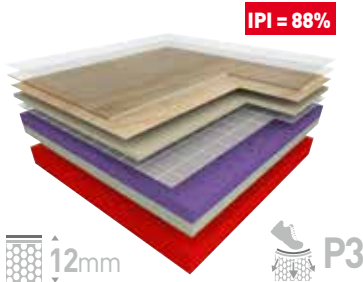


- ▶ Gerflor has a range of multi-sports floorings which are **ideal for schools** **reducing injuries from bumps and falls.**
- ▶ **Taraflex™ sports floors** assist more than any other floor, providing a feeling of comfort and protection to ensure that **people enjoy their experience of exercising safely.**

GERFLOR'S ANSWERS

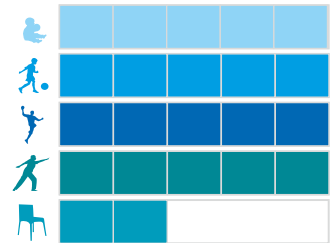
TARAFLEX™ SPORT M COMFORT

PROTECSOL™ D-MAX™ CXP HD™



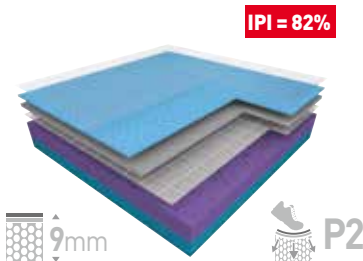
Maximum protection and safety

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™ SPORT M PERFORMANCE

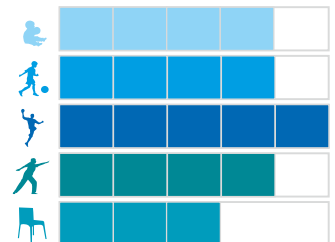
PROTECSOL™ D-MAX™ D-MAX+™ CXP HD™



Protection and performance!

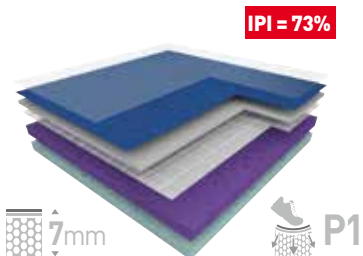
Today's Taraflex™ Sport M Performance is the outcome of more than 60 years' experience by Gerflor.

Dry-Tex™ **Eco-Fit™**
SYSTEM SYSTEM



TARAFLEX™ SPORT M EVOLUTION

PROTECSOL™ D-MAX™ CXP HD™



Sport for all!

Taraflex™ Sport M 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).

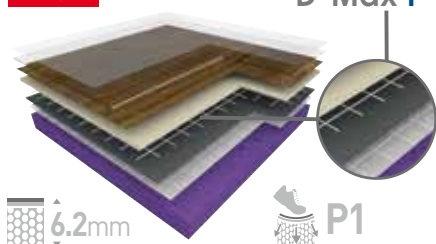


GERFLOR'S ANSWERS

TARAFLEX™ MULTI-USE 6.2

TRIPLE ACTION™ **Protécsöl** DURABILITY **D-Max+** COMFORT **CXP HD**

IPI = 52%

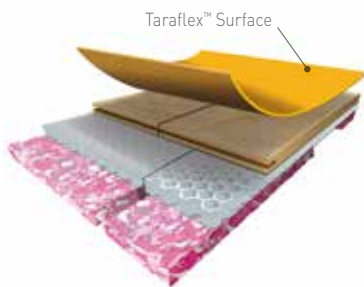


A sports floor designed for multipurpose

- ▶ 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

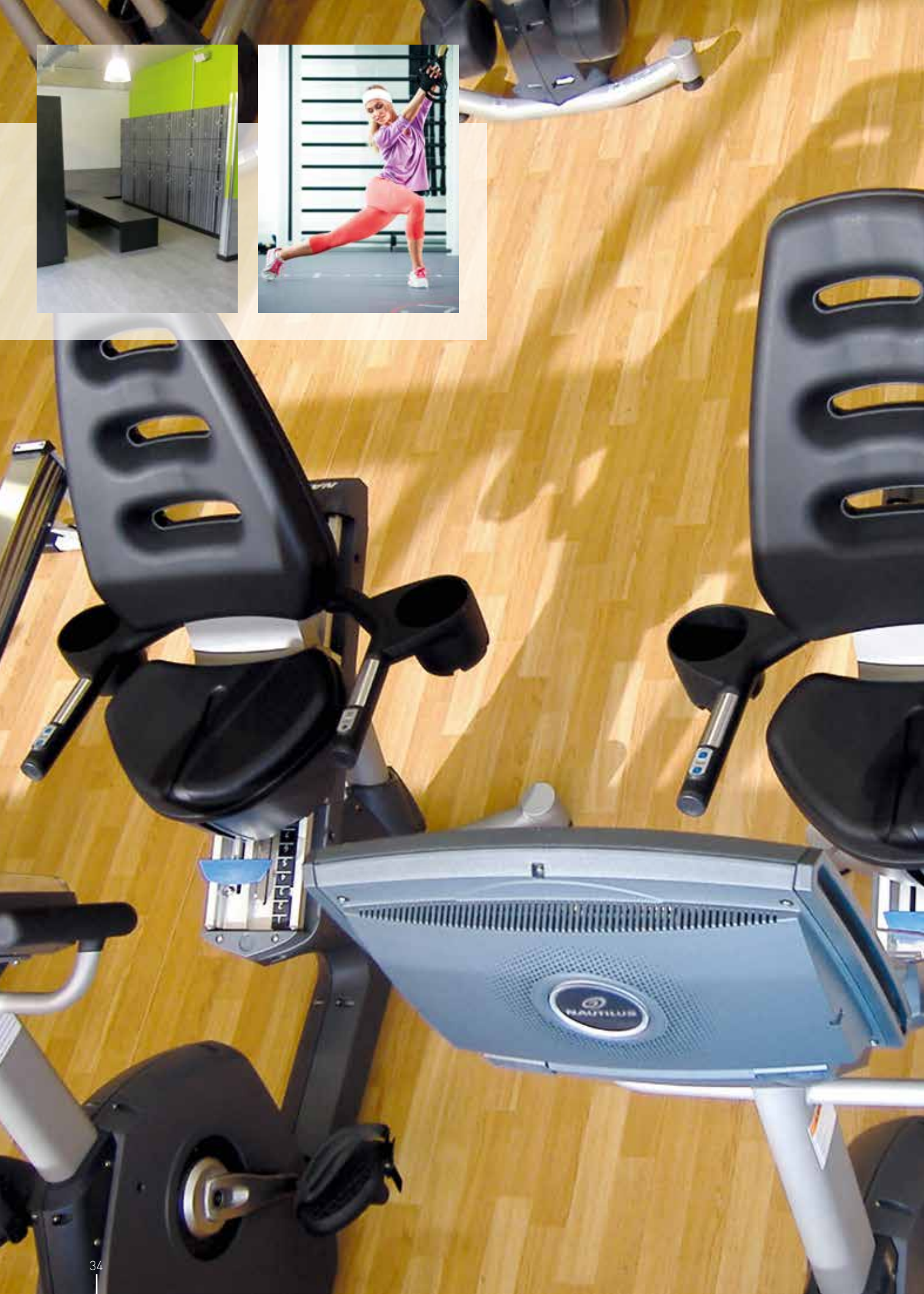
- ▶ **Taraflex™ Surface** combined with an under-carriage system offers an excellent heavy load resistance.
- ▶ A3 / A4 according to the type of under carriage system.

TARAFLEX™ BATECO



Removable protective layer

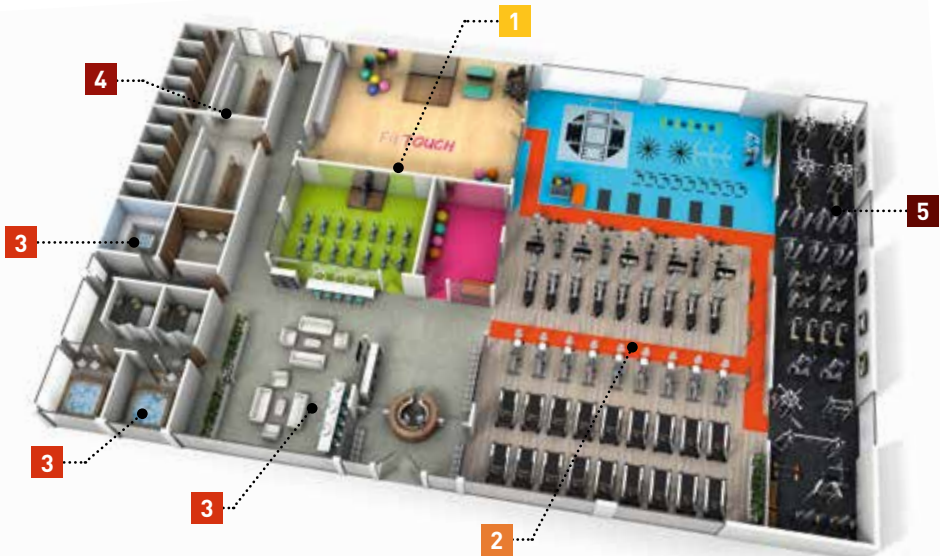
- ✔ Made from 100% post manufacturing recycled waste



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.

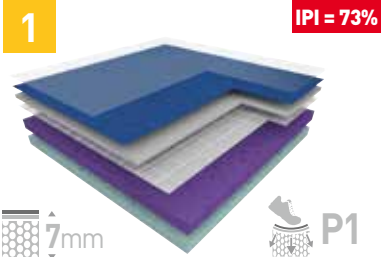


- 1** GROUP EXERCISE AREAS
GYMNASTICS // AEROBICS // STRETCHING
- 2** CARDIO AREAS
CYCLING // RUNNING
- 3** RELAXATION AREAS
BAR // SPA
- 4** CHANGING AREAS // SHOWERS
- 5** FREE WEIGHT

GERFLOR'S ANSWERS

TARAFLEX™ SPORT M EVOLUTION

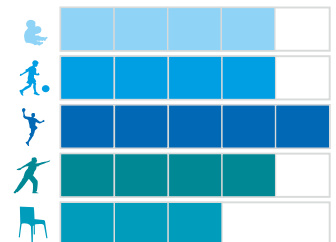
Protectsol™ D-Max™ CXP HD



IPI = 73%

Sport for all!

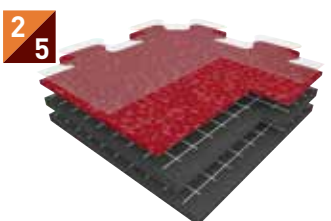
Taraflex™ Sport M Evolution provides levels of protection and safety suited to all types of sports and leisure activities.



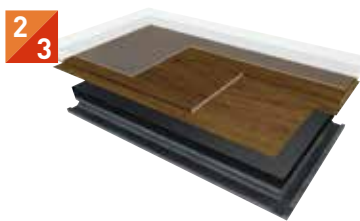
GTI

CREATION CLIC SYSTEM

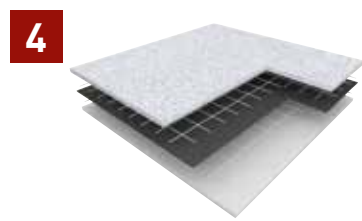
TARASAFE™



Modular solution for heavy loads



Trendy design and easy installation



Antislip floors for wet areas



"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.

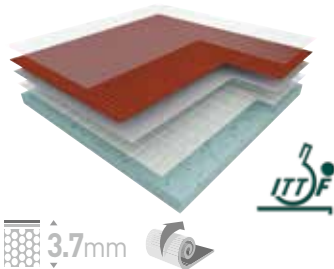


GERFLOR'S ANSWERS

TARAFLEX™ TABLE TENNIS

Protecsol® D-Max+®

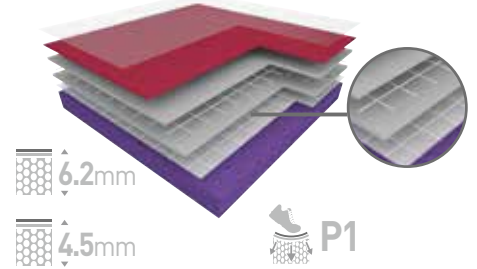
PORTABLE SOLUTION



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)

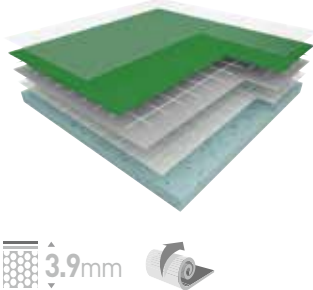
PERMANENT SOLUTIONS



TARAFLEX™ BADMINTON

Protecsol® D-Max+®

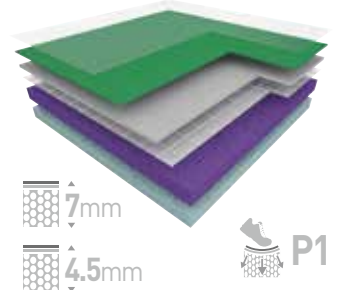
PORTABLE SOLUTION



The ultimate in player protection and perfect footing

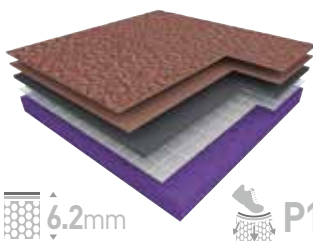
- ▶ Available in ready to go, easy to install portable playing surface (3.9 mm) and permanent format (4.5 or 7 mm)

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.

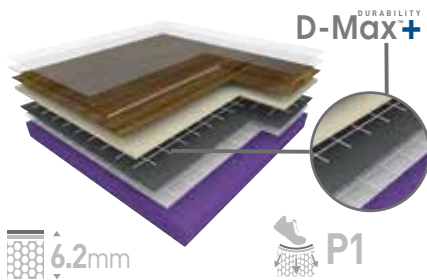
Playing on a Taraflex™ sports floor adds to the enjoyment of sport for ALL athletes!



GERFLOR'S ANSWERS

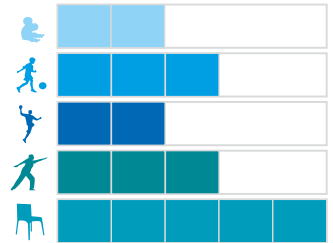
TARAFLEX™ MULTI-USE 6.2

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



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 **Protectsol** DURABILITY **D-Max**

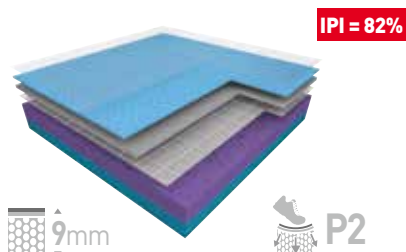


Ideal for rolling sports and heavy duty multipurpose usage

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.

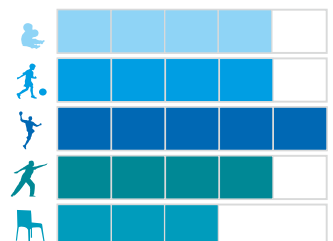
TARAFLEX™ SPORT M PERFORMANCE

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



Protection and performance!

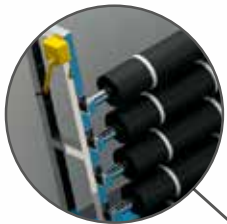
With an IPI of 82%, **Taraflex™ Sport M Performance** brings high level of comfort for sitting athletes and participates to the enjoyment of sport!



A FULL AND TECHNICAL RANGE OF ACCESSORIES

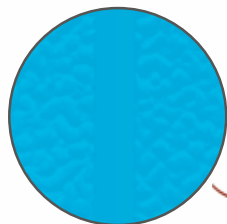
STORAGE RACK

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



WALL PROTECTION

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



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



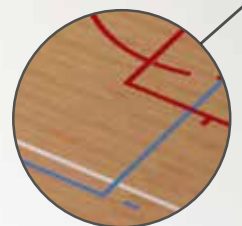
PERMANENT MARKING

- ▶ TLD AQUA Paint Available in red, blue, yellow, white and black



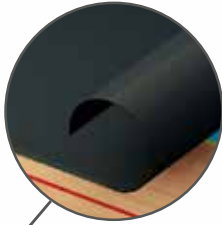
TEMPORARY MARKING

- ▶ 3M Tapes Available in red, blue, yellow, white and black



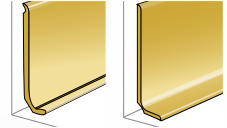
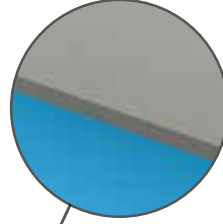
FLOOR PROTECTION

▶ Bateco
100% pure recycled PVC



SKIRTING

▶ Vynaflex



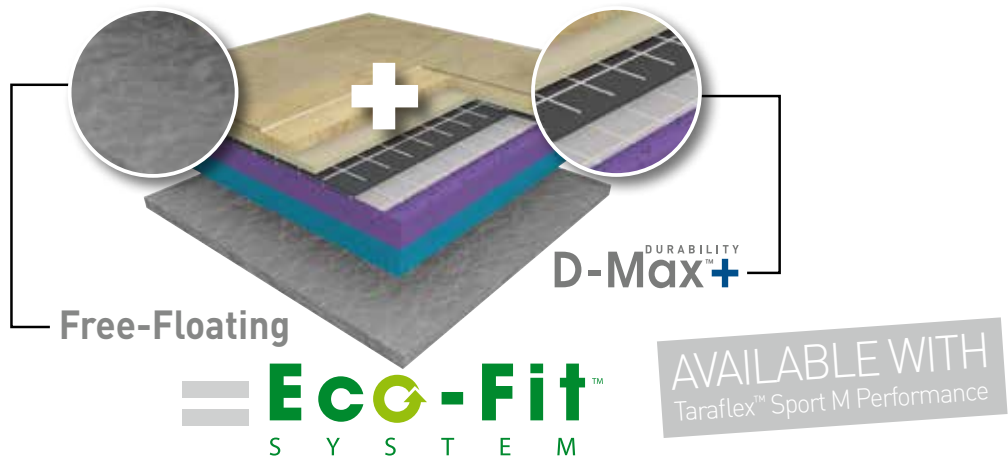
TARAFLEX
Carfloor

ENTRANCE CARPET

▶ ROMAT GT carpet



ECO-FIT™ SYSTEM RENOVATION WORK – FREE-FLOATING



► **The free-floating Eco-Fit™ System** an installation method from Gerflor, ideal for renovation works.

A simple, quick and eco-friendly solution

- **Quicker and easier installation:** two installers laying the floor, will find that there is two days less work on a 1000m² sports hall, when compared with standard installations that need to be adhered to the floor with adhesive.
- **80% less adhesive** required, which means **reduced VOC emissions** for the installation
- Ease of repair during the material's life
- **End of life material recycling** is easy; no more tearing up screed when stripping the floors!
Eco-Fit™ System installation is fully integrated into Gerflor's eco-friendly program.

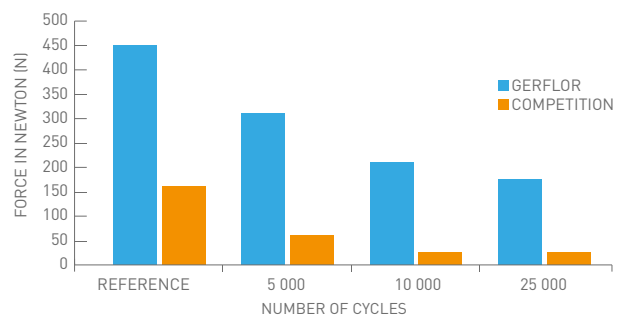


Eco-Fit System™: the main advantage of the double fibreglass grid

D-Max + with the double fibreglass grid strengthens the mechanical resistance of Taraflex™ products and provides outstanding durability of the floor when installed Eco-Fit™.

After 25 000 cycles under the castor chair (simulates aging of product), Taraflex™ products D-Max+ have a better mechanical resistance than other products on market.

MECHANICAL PROPERTIES (Modulus* N) NF T 54-103



*Force needed to stretch the product of 1% from its initial shape

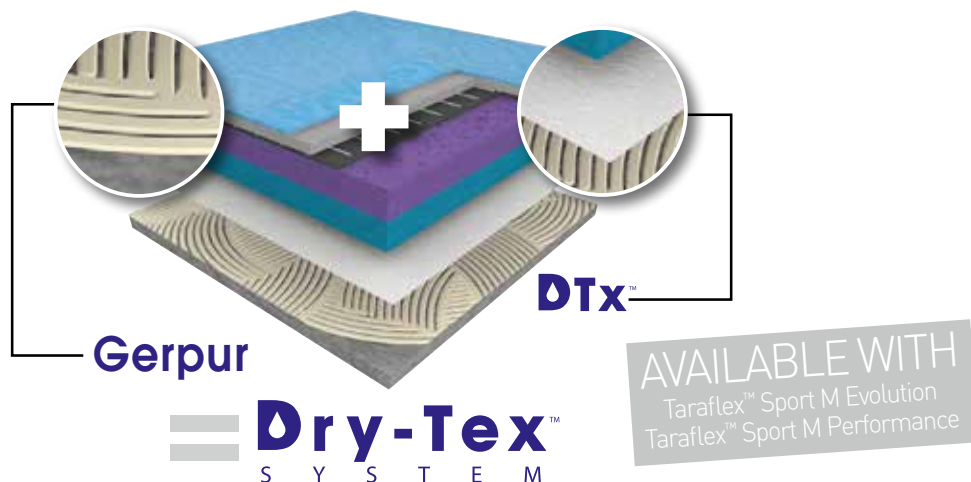
Installation criteria:

Moisture	No previous humidity issues
Flatness	< 6mm / 3m
Surface	Hydraulic concrete*

*for more information contact us

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:

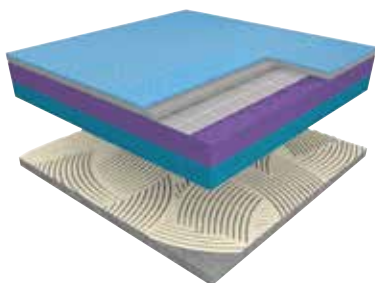
Moisture	No limit*
Flatness	< 6mm / 3m
Surface	Hydraulic concrete**

*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

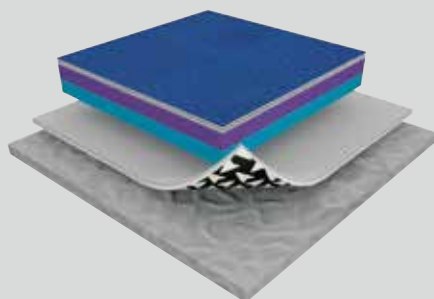
Glue-down installation is possible for all the products in the Taraflex™ Sports Flooring range.

▶ **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

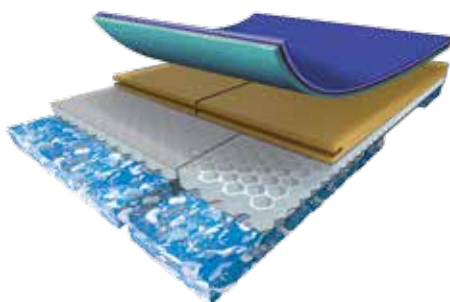
- ▶ For new builds and renovation work alike, depending on the level of dampness.

▶ **Advantages:**

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

Installation criteria:	
Moisture	RH < 80% (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
INITIAL MAINTENANCE	MECHANICAL CLEANING	-	  or  if dirty	Neutral detergent or alkalin detergent if dirty (ex: Dynattech Trophy*)	<ul style="list-style-type: none"> Rotary cleaning machine or scrubbed machine equipped with water vacuum
DAILY MAINTENANCE	MANUAL CLEANING	1x per day	 	-	<ul style="list-style-type: none"> Broom without water
WEEKLY MAINTENANCE	MECHANICAL CLEANING IF MANUAL DAILY CLEANING	2x/week (1x for small halls)	   or  light green	Neutral detergent or alkalin detergent if dirty (ex: Dynattech Trophy*)	<ul style="list-style-type: none"> Wet broom Mechanical cleaning
DEEP-DOWN CLEANING	MECHANICAL CLEANING	Every school breaks (or every 2 months)	  or  light green	Special detergent for scuffing (ex: Traciflex*)	<ul style="list-style-type: none"> Pour detergent over shoe scuffings Wait 10 minutes Clean mechanically
HANDBALL	MECHANICAL CLEANING	Every school breaks (or every 2 months)	  or  light green	Special detergent for resin (ex: Traciflex*)	<ul style="list-style-type: none"> Pour detergent over resin Wait 10 minutes Clean mechanically

* Product distributed by GERFLOR


TECHNICAL DATA

Description	Standard	Requirement	Units	Taraflex™ Surface	Taraflex™ Surface Mask	Taraflex™ Multi-Use 6.2	Taraflex™ Sport M Evolution	Taraflex™ Sport M Performance	Taraflex™ Sport M Comfort
Dry-Tex™ System / Eco-Fit™	-	-	-	-	-	-			-
Description Product									
Surface treatment	-	-	-	Triple-Action Protecsoł®	Triple-Action Protecsoł®	Triple-Action Protecsoł®	Triple-Action Protecsoł®	Triple-Action Protecsoł®	Triple-Action Protecsoł®
Surface complex	-	-	-	D-Max™	100% PVC	D-Max+™	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 428	-	mm	2.1	2	6.2	7	9	12
Weight	EN 430	-	kg/m ²	2.9	2.58	4.2	4.6	5.4	5.1
Length*	EN 426	-	lm	26.5 Max	20 Max	20.5 STD	26.5 Max	26.5 Max	26.5 Max
Width	EN 426	-	lm	1.5	2	1.5	1.5	1.5	-
Sport Properties									
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
Energy return	NF P 90 203	≥ 0.31	m/s	≥ 0.31	≥ 0.31	≥ 0.31	≥ 0.31	≥ 0.31	≥ 0.31
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	-	-	-	-	-	-	-	-
Technical Characteristics									
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	≤ 0.25	≤ 0.5	≤ 0.5	≤ 0.5
Classification									
Fire	EN 13501-1	-	-	B _{fl} -s1	B _{fl} -s1	C _{fl} -s1	C _{fl} -s1	C _{fl} -s1	C _{fl} -s1
Anti-bacterial activity [E. coli - S. aureus - MRSA] ⁽¹⁾	ISO 22196	-	-	> 99% inhibits growth					
CE Marking									
	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.

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

* For different roll lengths please contact us

Taraflex™ Tennis	Taraflex™ Badminton			Taraflex™ Table Tennis			Taraflex™ Bateco	Taraflex™ Isolsport
	Portable	4.5	7.0	Portable	4.5	6.2		
-	-	-		-	-	-	-	-
-	Triple-Action Protecsol®	PUR Protect®	Triple-Action Protecsol®	Triple-Action Protecsol®	PUR Protect®	Triple-Action Protecsol®	-	-
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	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	-	-
≥ 0.31	≥ 0.31	≥ 0.31	≥ 0.31	≥ 0.31	≥ 0.31	≥ 0.31	-	-
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 _{fl} -s1	B _{fl} -s1	C _{fl} -s1	C _{fl} -s1	B _{fl} -s1	C _{fl} -s1	C _{fl} -s1	B _{fl} -s1	C _{fl} -s1
> 99% inhibits growth		-	> 99% inhibits growth		-	> 99% inhibits growth	-	-
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 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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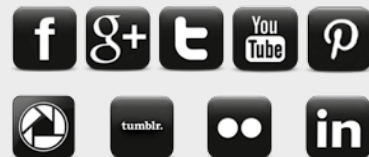
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