

TARAFLEX™ SPORTS FLOORING

www.freewill.co.in



Gerflor[®]
theflooringgroup

TARAFLEX™ SPORTS FLOORING

OLYMPIC GAMES - WORLD CHAMPIONSHIPS - MASTER SERIES



Montreal

Moscow

Los Angeles

Seoul

Barcelona

Atlanta

Sydney

Athens

Beijing

Taraflex™, major partner
of the greatest international
sport events





Taraflex™, the no. 1 preferred indoor sports solution for over 60 years

Every sports person has, regardless of their ability, played at least once in their lifetime on a Taraflex™ sports floor. Whatever your age or abilities, Taraflex™ Sports Flooring are suitable for you.

Leading sports event organisers put their faith in us. Our floors offer the highest levels of performance, comfort and safety.

As a market leader in synthetic sports flooring, the Gerflor group has a passion for sports and shares the same values as its' sports association partners - including competitiveness, high performance and team spirit.



WHY CHOOSE TARAFLEX™ SPORTS FLOORING ?

The facts speak for themselves:

- ▶ **Six million children** every day, play in perfect safety on a Taraflex™ sports floor
- ▶ More than **40 million sqm** have been installed worldwide
- ▶ More than **70.000 sports halls** are fitted with Taraflex™ sports floors
- ▶ **More than 3000 top level matches in 2010 have been played on a Taraflex™ sports floor**



Our contractual guarantee conditions may be requested from our Marketing department gerflorsport@gerflor.com



TARAFLEX
by Gerflor

ULTIMATE PERFORMANCE

WHY CHOOSE TARAFLEX™ SPORTS FLOORING ?

Innovation



Gerflor's continual investment in **Research & Development**, ensures that we are always at the forefront of producing high quality sports flooring. With a skilled team of over **70 employees** involved in the offer development process, you can be assured of having the most innovative and best performing solution on the market.

Providing solutions



Gerflor develops **specific solutions** to meet your requirements, for example:

- High moisture subfloors: the Dry-Tex™ System
- Free floating installations: the Eco-Fit™ System
- Comprehensive range of interior finishes (skirtings, adhesives...)

For further information and advice when selecting a product or regarding the actual installation, please contact your local country technical department.

Playing by the rules







The Taraflex™ range of sports flooring, complies with the **European Standard for Indoor Sports EN 14904** - our solutions offer high performance and durability.



ECO-FRIENDLY

► Our business is about sustainable product offer development and providing users with a solution that ensures outstanding sports performance. The Taraflex™ range of sports flooring protects children and adults regardless of age and ability, it reduces the risks of injury whilst prolonging the enjoyment of users and athletes career.

 Health & safety	Selected and responsible raw materials	NO heavy metal, NO solvent. NO formaldehyde, NO substance potentially subject to REACH* restrictions.
	Low VOC emissions	<ul style="list-style-type: none"> - Volatile Organic Compound (VOC) emissions of <250µg/m³ after 28 days, using European procedures. - No formaldehyde emission.
	Fully hygienic solutions	The Sanosol® treatment prevents mould and bacterial (bacteriostatic) growth.
 Recycling	Eco-Fit™ System	An economic, eco-friendly and easy to recycle installation. Uses 80% less adhesive than conventional methods.
	Uses recycled materials	Made from 30% recycled vinyl.
	100% recyclable materials	100% of recycled materials are inspected and exempt from REACH* restrictions. Gerflor will help recycle its products at the end of their life cycle.
 ISO 14001	ISO 14001 certified	Gerflor industrial sites hold ISO 14001 accreditation.
 Life-cycle analysis	Long life at low cost	The combination of D-Max™ and Triple Action ProtecSol® ensures minimum maintenance and an exceptional product life.

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

Please do not hesitate to ask us for a full assessment of your project.

▶ CONTRIBUTION TO LEED™ CERTIFICATION

LEED™ Certification (Leadership in Energy and Environmental Design) is an internationally recognized green building certification system, providing third-party verification that a building or community was designed and built using strategies aimed at improving performance across all the metrics that matter most: energy savings, water efficiency, CO₂ emissions reduction, improved indoor environmental quality, and stewardship of resources and sensitivity to their impacts.

Gerflor contribution

- Low emitting materials: Floorscore certified products
- Products containing pre-consumer recycled materials
- 2 LEED™ specialists part of Gerflor staff



Reference:



Oak Park Community Center - Sacramento (California - USA)

▶ RECYCLING



THE SECRETS OF TARAFLEX™ SPORTS FLOORING

1 ProtecSol^{TRIPLE ACTION}®

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 foot to move freely as they rotate.
- ▶ **A skin-burn free surface**, on which the temperature during a fall is reduced by 25%, thus minimizing the risk of friction burns.
- ▶ **A surface that is cost effective and easy to maintain.**

2 D-Max^{DURABILITY}

Available with: Taraflex™ Sport M Evolution,
Taraflex™ Sport M Performance,
Taraflex™ Sport M Comfort

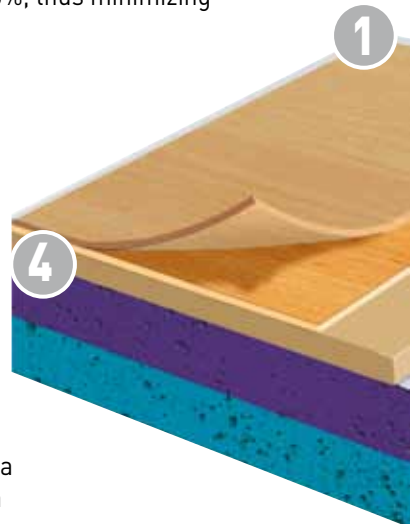
The D-Max™ surface complex is made up of calendared PVC sheets, reinforced with a fibreglass grid, ensuring outstanding resistance to wear and abrasion in **glued down** installations.

2+ D-Max^{DURABILITY}+

Available with: Taraflex™ Multi-Use 6.2,
Taraflex™ Sport M Evolution,
Taraflex™ Sport M Performance

For the first time ever, the new D-MAX™+ surface complex, made up of calendared PVC sheets, is now reinforced with two fibreglass grids, providing:

- ▶ **Outstanding dimensional stability** for free-floating installations using the Eco-Fit™ System
- ▶ **An indentation resistance** improved by 35% to increase the range of floor usage

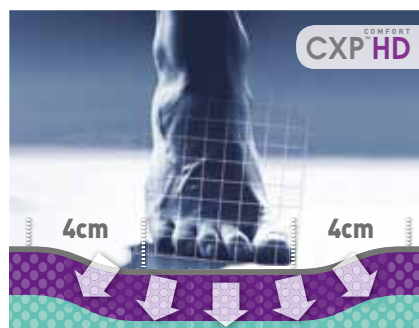
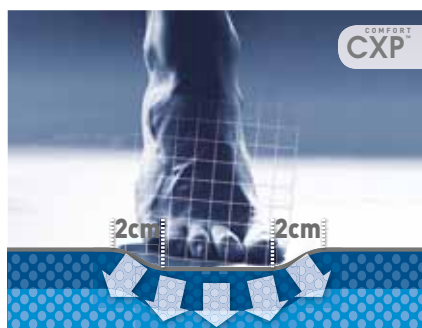
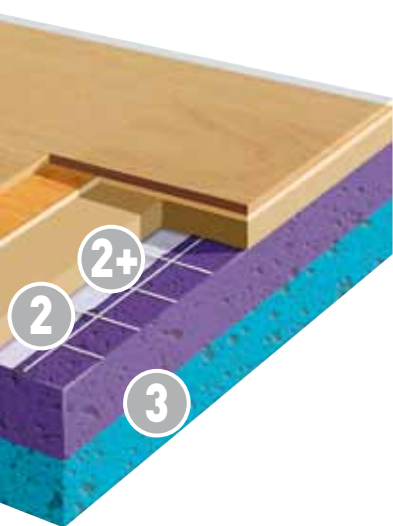


The combination of ProtecSol®, D-Max™/D-Max™+, CXP™HD foam and Sanosol®

3 CXP^{COMFORT} 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 **comfort and safety**.
- ▶ The VHD foam of the upper layer remains firm, making the deformation trough around the foot two times larger for higher freedom of movement in rotation and secure foothold to minimize **the injury risk**.

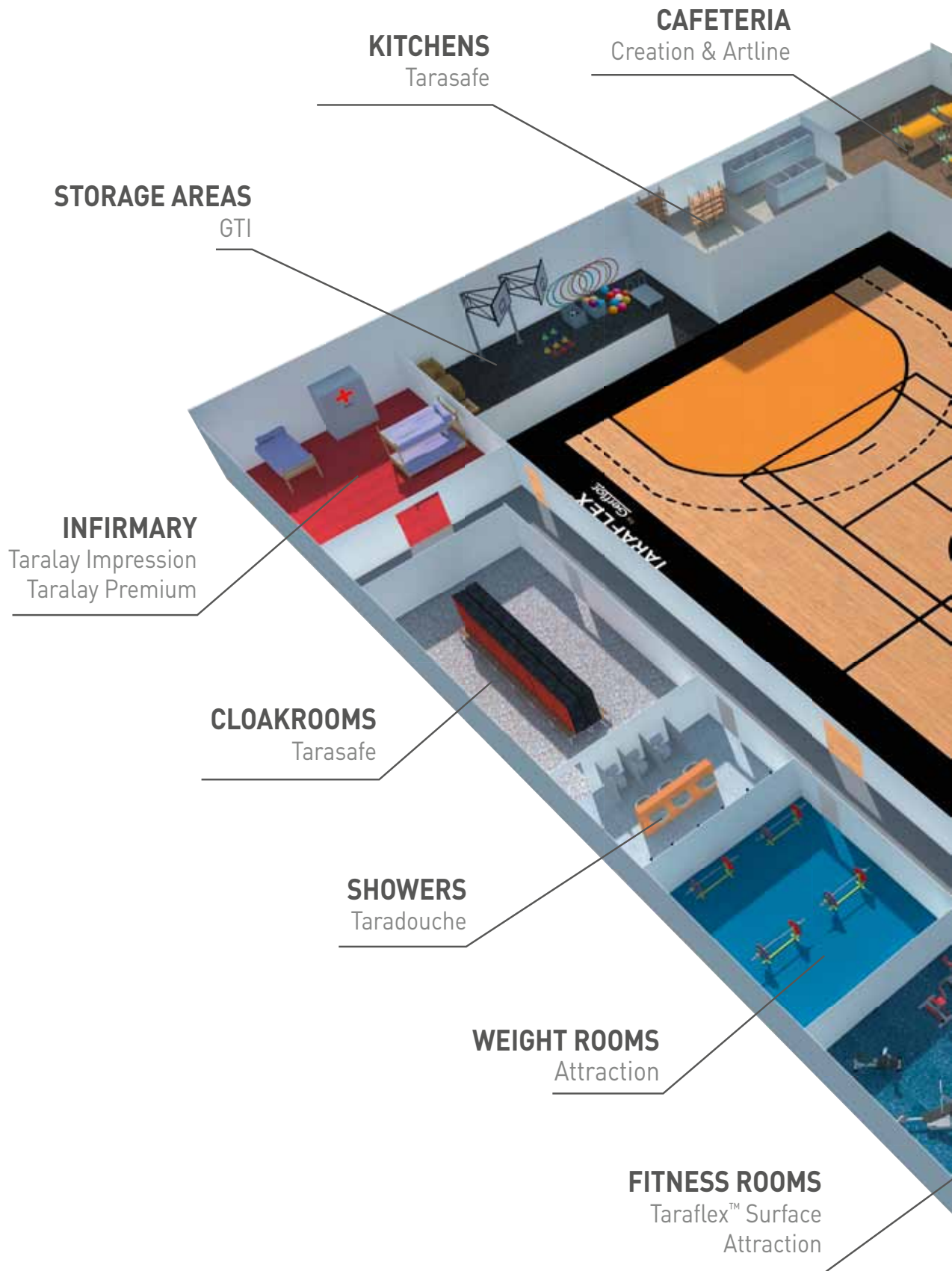
4 Sanosol^{HYGIENE}

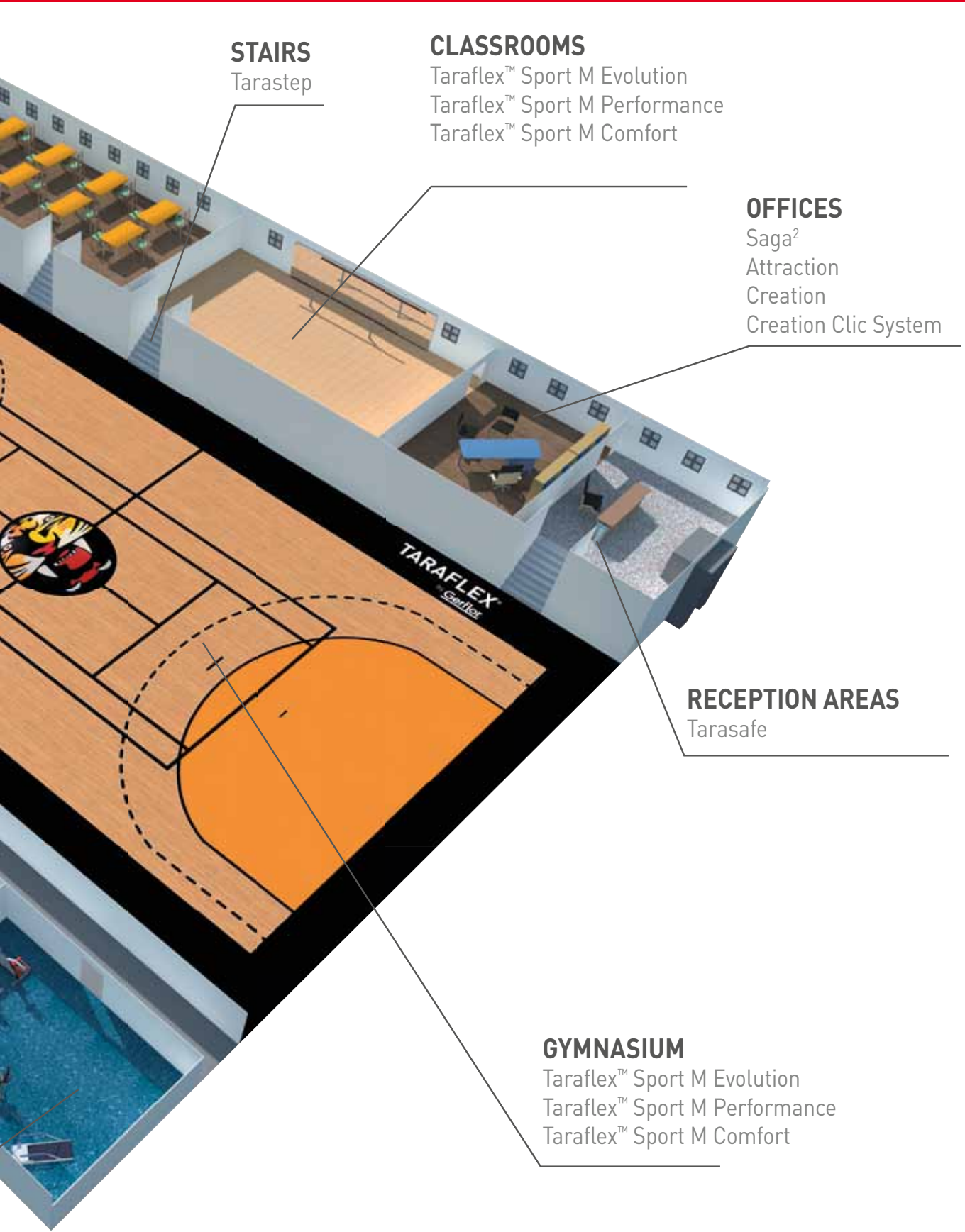
Applied in the factory during manufacture, the Sanosol® treatment provides lasting protection for the materials against bacteria and mould.

ensures that our sports floors are durable and high performing.



INNOVATIVE SOLUTIONS WHATEVER YOUR APPLICATION





STAIRS

Tarastep

CLASSROOMS

Taraflex™ Sport M Evolution
Taraflex™ Sport M Performance
Taraflex™ Sport M Comfort

OFFICES

Saga²
Attraction
Creation
Creation Clic System

RECEPTION AREAS

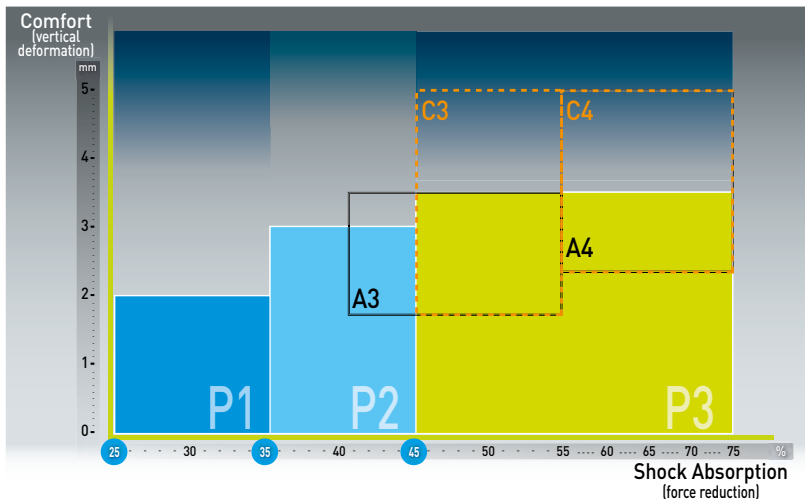
Tarasafe

GYMNASIUM

Taraflex™ Sport M Evolution
Taraflex™ Sport M Performance
Taraflex™ Sport M Comfort

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 force reduction classes as per the European Standard

3 types of sports floors:

- ▶ **Point-elastic floors** such as Taraflex™ (Taraflex™ Sport M Evolution, Taraflex™ Sport M Performance, Taraflex™ Sport M Comfort and Taraflex™ Multi-Use 6.2).
- ▶ **Area-elastic floors** such as sprung wooden floors.
- ▶ **Combined floors**, providing a combination of point-elastic and area-elastic floor features.

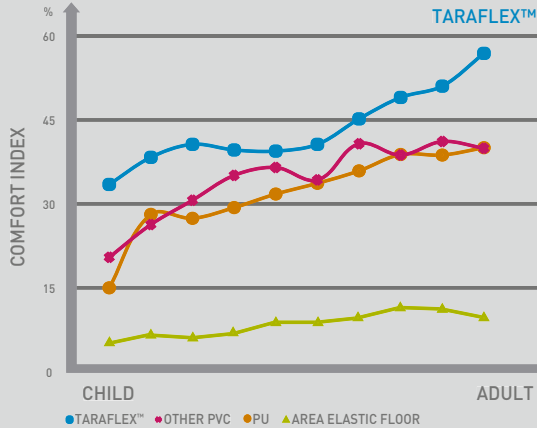
Standard values:

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 injury.

EN 14904	Description	Standard	Requirement	Units
SPORTS PROPERTIES	Vertical deformation	EN 14809	≤ 3.5	mm
	Force reduction (shock absorption)	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 _f l-s1	-
CLASSIFICATION	Formaldehyde emission	EN 717-1/2	≥ E1	-
	Pentachlorophenol emission	EN 12673	< 0.1	%

DURABILITY, COMFORT, SAFETY

WHY CHOOSE TARAFLEX™ SPORTS FLOORING?

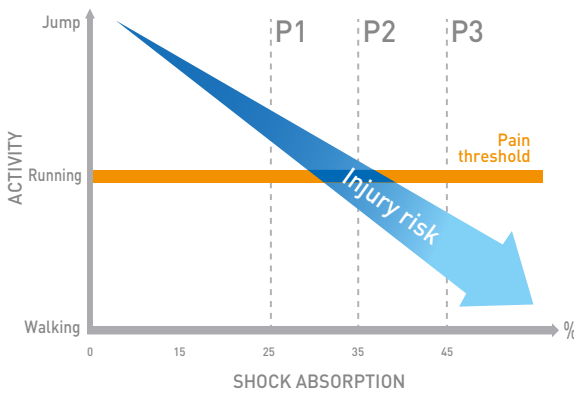


Comfort

The **comfort** index relates to the intensity of the shock felt at the time of impact with the floor during falls and dives.

A point-elastic floor has a **very high comfort factor**, unequalled by area-elastic floors.

A comfortable floor **reduces the severity of injuries** (pains, bruises, fractures) arising from falls, whether these involve children or adults of any age.

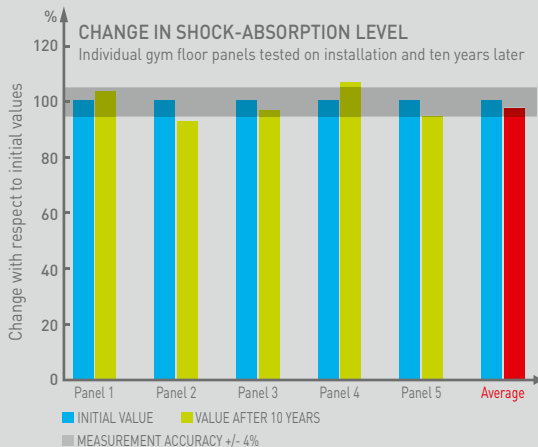


Safety

The **safety** of a sports flooring depends both on its ability to absorb shocks and the type of sport being played. Accumulated traumas during sport may lead to **fatigue fractures** (long term injuries).

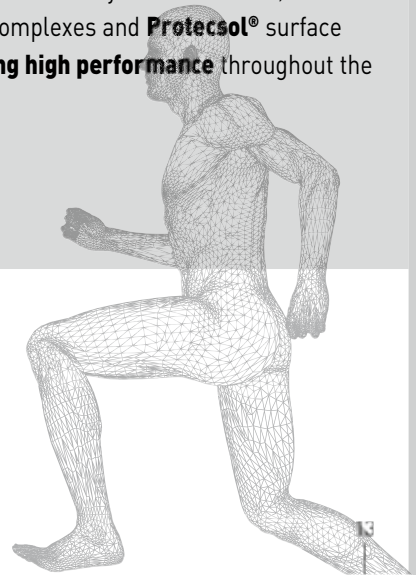
The **better the shock absorption**, the less the risk of injury.

A safe sports flooring helps reduce the risk of fatigue injuries and **extends the time a sport may be played**.

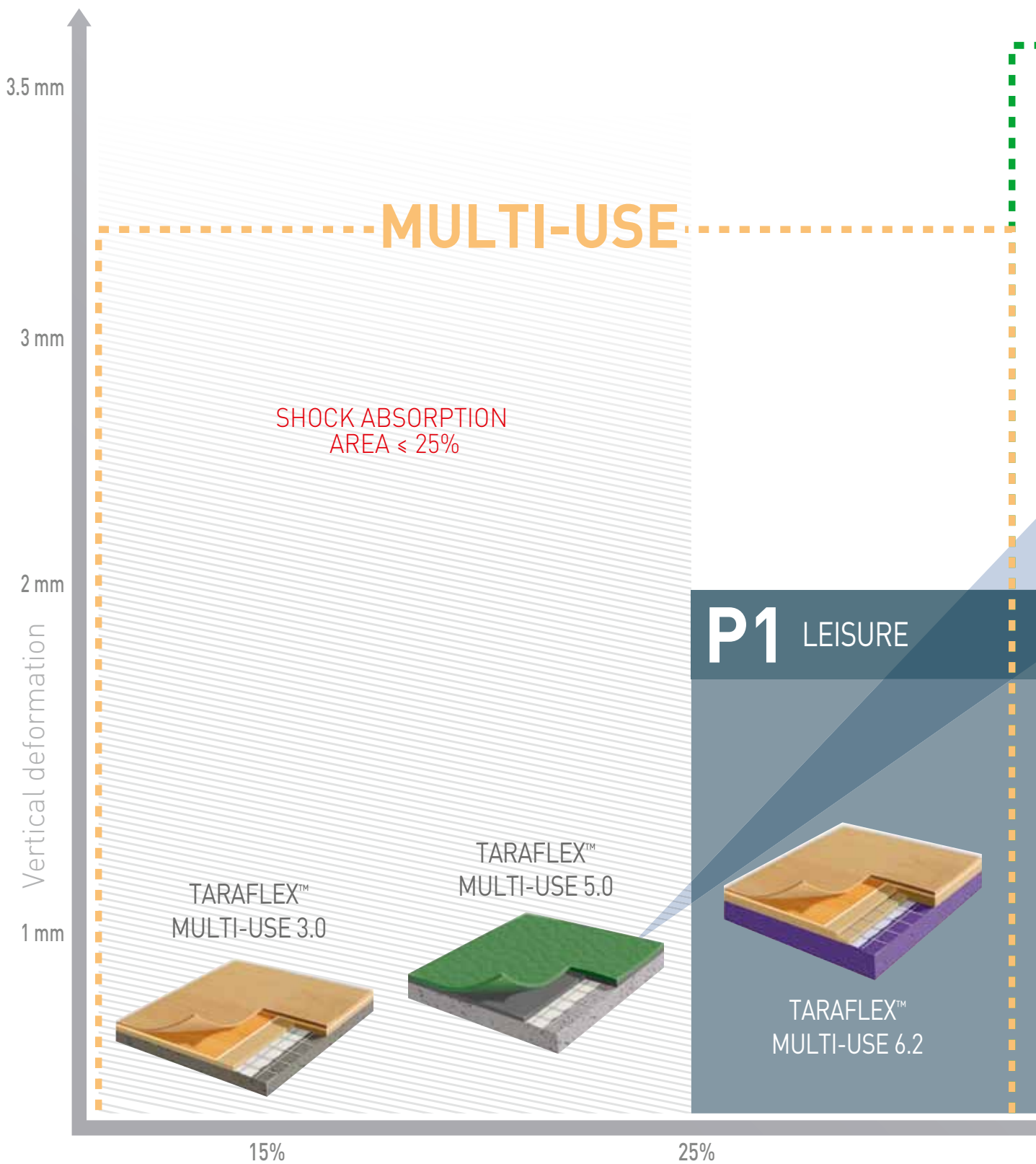


Unequalled, long-lasting performance

The unique combination of double density **CXP™HD** foam, **D-Max™/D-Max™+** surface complexes and **Protectsol®** surface treatment ensures **long-lasting high performance** throughout the life of our sports floors.

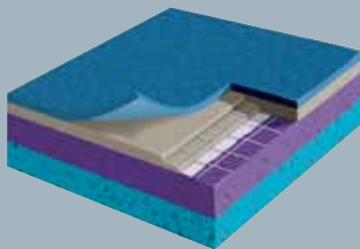


COMFORT AND SAFETY FOR EVERY APPLICATION



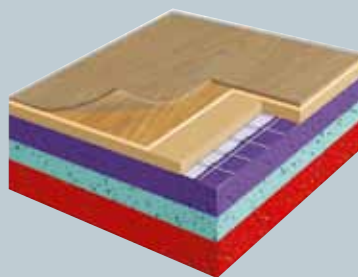
MULTI-SPORTS

P2 MULTI-SPORTS

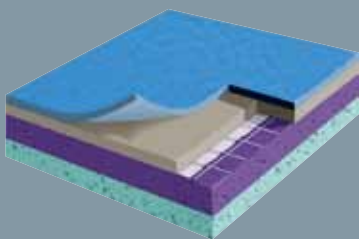


TARAFLEX™ SPORT M PERFORMANCE

P3 MULTI-SPORTS COMFORT



TARAFLEX™ SPORT M COMFORT



TARAFLEX™ SPORT M EVOLUTION

35%

45%

Force reduction (Shock absorption EN 14904)

P1, P2, P3: Point-elastic floor force reduction classes as per the EN 14904 Standard

PRODUCT RANGE

A WORLD OF COLOURS AND DESIGNS



6375 - Oak Design (Y = 29.7)



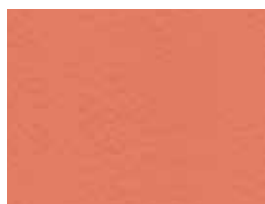
6381 - Maple Design (Y = 39.9)



6211 - Gold** (Y = 45.7)



6134 - Tangerine (Y = 36.8)



6146 - Coral** (Y = 28.7)



6109 - Framboise* (Y = 9.4)



6512 - Green (Y = 17.9)



6570 - Mint Green* (Y = 16.9)



6507 - Forest Green** (Y = 7.4)



6180 - Red (Y = 10.9)



6535 - Lawn** (Y = 29.7)



6445 - Lagoon (Y = 25.7)



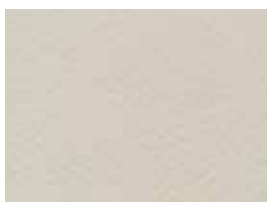
6430 - Blue (Y = 8.3)



6457 - Blueberry** (Y = 8.9)



6758 - Silver Gray (Y = 36.0)



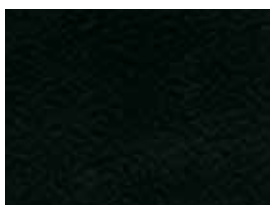
6321 - Sandstone** (Y = 53.9)



6431 - Teal (Y = 21.4)



6426 - Horizon (Y = 16.1)



6830 - Black** (Y = 4.2)

*Colours available in Taraflex™ Sport M Evolution and Multi-Use 5.0 only

** Colours not available in Taraflex™ Multi-Use 5.0

(Y): light reflectance values according to the EN 13745

MULTI-SPORTS FLOORS

▶ TARAFLEX™ SPORT M COMFORT

TRIPLE ACTION™ **Protécsol** DURABILITY™ **D-Max** COMFORT™ **CXP HD** HYGIENE™ **Sanosol**



12 mm



Maximum comfort and safety

The first Taraflex™ sports floor in the P3 category! Gerflor's technology and innovation knowledge bring optimal comfort and safety during the practice of physical activities.

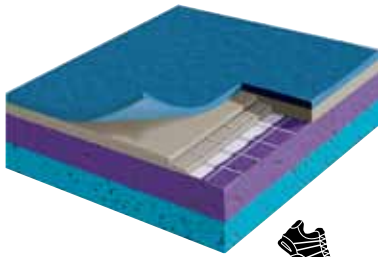
- ▶ Suited to all levels and all sports.
- ▶ **P3 category:** ≥ 45% shock absorption
- ▶ Vertical deformation ≤ 3.5mm

COMFORT
SAFETY

PRODUCT RANGE

▶ TARAFLEX™ SPORT M PERFORMANCE

TRIPLE ACTION™ **Protécsol** DURABILITY™ **D-Max** DURABILITY™ **D-Max+** COMFORT™ **CXP HD** HYGIENE™ **Sanosol**



9 mm



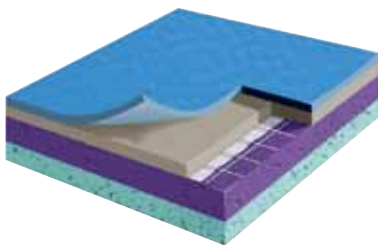
Comfort and performance!

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

- ▶ Providing optimal safety
- ▶ **P2 category:** 35 to 45% shock absorption
- ▶ Vertical deformation ≤ 3.0mm

▶ TARAFLEX™ SPORT M EVOLUTION

TRIPLE ACTION™ **Protécsol** DURABILITY™ **D-Max** DURABILITY™ **D-Max+** COMFORT™ **CXP HD** HYGIENE™ **Sanosol**



7 mm



Sport for all!

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

- ▶ **P1 category:** 25 to 35% shock absorption
- ▶ Vertical deformation ≤ 2mm

Our point-elastic sports floors comply with the EN 14904 Standard for indoor sports surfaces. They are suitable for all sports activities for every level of play, from young children to adults of all ages. The choice between a P1, P2 or P3 solution will depend on the level of comfort and safety required.

MULTI-USE FLOORS



Multipurpose sports halls are likely to be used for both **sporting activities** (school sports, sports clubs, gym training, etc) and **non-sporting activities** (dances, presentations, public meetings, club activities, examinations, etc)

▶ TARAFLEX™ MULTI-USE 6.2

PROTECSOL™ D-Max+ CXP HD SANOSOL™



6.2 mm



New sports floor for medium multipurpose

- ▶ A real sports floor in the **P1 category** (complies with EN Standard 14904) 25 to 35% of shock absorption
- ▶ Indentation resistance **two times greater** than that required by the Standard
- ▶ Excellent resistance to **heavy loads** (static and rolling)
- ▶ Abrasion resistance three times greater than that required by the Standard

TARAFLEX™ MULTI-USE 6.2

▶ NEW ORIGINAL FINISHES, SCUFF-RESISTANT AND EASY TO CLEAN



8840 - Wood Black



4331 - Wood Natural



3708 - Wood Grey



4453 - Wood Blue



4506 - Wood Green

MULTI-USE FLOORS

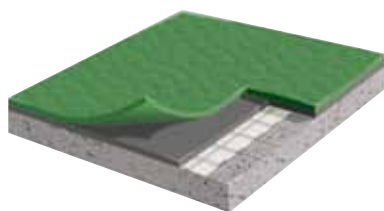
▶ TARAFLEX™ MULTI-USE 5.0

TRIPLE ACTION™
Profecsol™

DURABILITY™
D-Max™

COMPOSITE™
CXP™

HYGIENE™
Sanosol™



Where multi-sports and multi-purpose combine

Ideal for multi-sports and multipurpose halls, Taraflex™ Multi-Use 5.0 offers an excellent value for money.

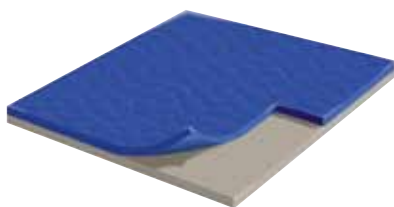
- ▶ Ideal for multi-activity areas and for beginner level sports
- ▶ D-Max™ multi-layer surface for long term resilience and indentation resistance
- ▶ Available in a broad range of 10 colours and 2 wood designs (see page 16)

▶ TARAFLEX™ SURFACE

TRIPLE ACTION™
Profecsol™

DURABILITY™
D-Max™

HYGIENE™
Sanosol™



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.

- ▶ Available in a broad range of 15 colours and 2 wood designs (see page 16)
- ▶ D-Max™ multi-layer surface with ideal grip/slide compromise

▶ TARAFLEX™ BATECO



Moveable protective layer

Taraflex™ Bateco is a moveable solution for protecting multi-sports floors during non-sporting activities.

It can be unrolled over floors and then rolled up again before resuming sports activities.

Taraflex™ Bateco is made from 100% post manufacturing recycled wastes.



The solution for intensive multipurpose usage including leisure activities

Specifically designed for extreme durability in multipurpose usage, with additional sports benefits such as comfort, safety and excellent playability.

- ▶ Noise reduction up to 18 dB
- ▶ Colour range – 6 solid colours, 5 AED and 2 wood designs (see below)
- ▶ Triple-Action ProtecSol® for ease of maintenance, protection from friction burns and superior playability because of its “intelligent” sliding coefficient



6381 - Maple Design



6375 - Oak Design



4721 - Virginia



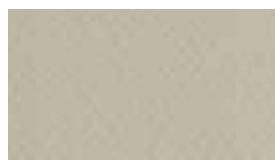
6449 - Utah



4478 - Miami



8577 - Vancouver



6314 - Michigan



6450 - Alabama



8736 - Detroit



8062 - Toronto



6115 - Texas



6031 - Nevada



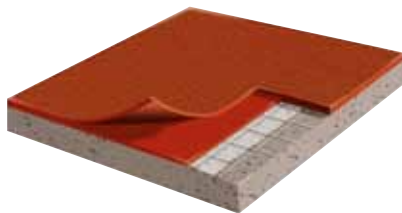
8269 - San Diego



SPECIALISED SPORTS FLOORS

▶ TARAFLEX™ TABLE TENNIS

Protécsol TRIPLE ACTION™ COMFORT CXP HYGIENE SanoSol™



A portable solution engineered and developed in partnership with international Table Tennis federations (ITTF and ETTU)

- ▶ Available in ready to go, easy to install portable playing surface (3.7mm) and permanent formats (5.0 / 7.0 mm)
- ▶ Excellent player comfort and protection
- ▶ Structured embossing made for perfect footing
- ▶ Permanent installation benefits from a multi-layer surface for extra durability and resilience.



6109 Framboise (Portable) - Canvas embossing



6109 Framboise Taraflex™ Multi-Use 5.0

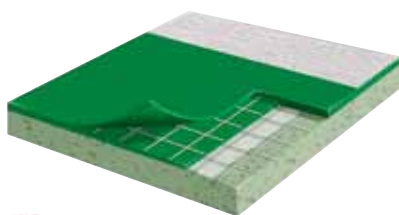


Taraflex™ Sport M Evolution



▶ TARAFLEX™ BADMINTON

Protécsol TRIPLE ACTION™ COMFORT CXP HYGIENE SanoSol™



The ultimate in player comfort, protection and perfect footing

- ▶ Available in ready to go, easy to install portable playing surface (3.9mm) and permanent formats (5.0 / 7.0 mm)
- ▶ Excellent player comfort and protection
- ▶ Structured embossing made for perfect footing
- ▶ Permanent installations benefit from a multi-layer surface for extra durability and resilience.



6570 Mint Green (Portable) - Canvas embossing



6570 Mint Green Taraflex™ Multi-Use 5.0



Taraflex™ Sport M Evolution



▶ TARAFLEX™ FUTSAL

PROTECSOL® D-Max™ CXP HD SANOSOL®



The exclusive and most unique indoor Futsal surface

Triple action Protecsol® (special PU treatment) combined with the surface complex D-Max™ and also a dedicated embossing has made Taraflex™ Futsal simply the highest performing Futsal sport floor for portable or permanent solutions. Totally new sensations to allow quick ball passes, and comfort for player safety.

- ▶ Exclusive colour for Futsal exhibition, also available in solid Blue
- ▶ **P1 category** = 25 to 35% of shock absorption



Wood Blue
4453



Blue
6430



6.2 mm

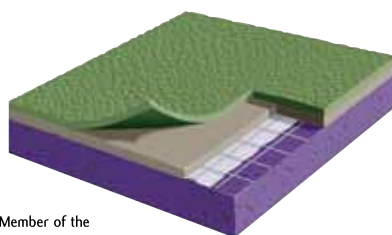
P1



PRODUCT RANGE


▶ TARAFLEX™ TENNIS

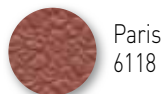
D-Max™ CXP HD SANOSOL®



Member of the
ITF
Foundation

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

- ▶ Fast ball speed 
- ▶ Incredible surface comfort with regular and consistent ball bounce
- ▶ The safest tennis surface, a guarantee against pain and injuries
- ▶ Excellent abrasion resistance compared to resins/hard courts
- ▶ **P1 category** = 25 to 35% of shock absorption



Paris
6118



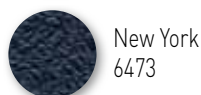
London
6504



Purple
6478



Melbourne
6471



New York
6473



6.2 mm

P1

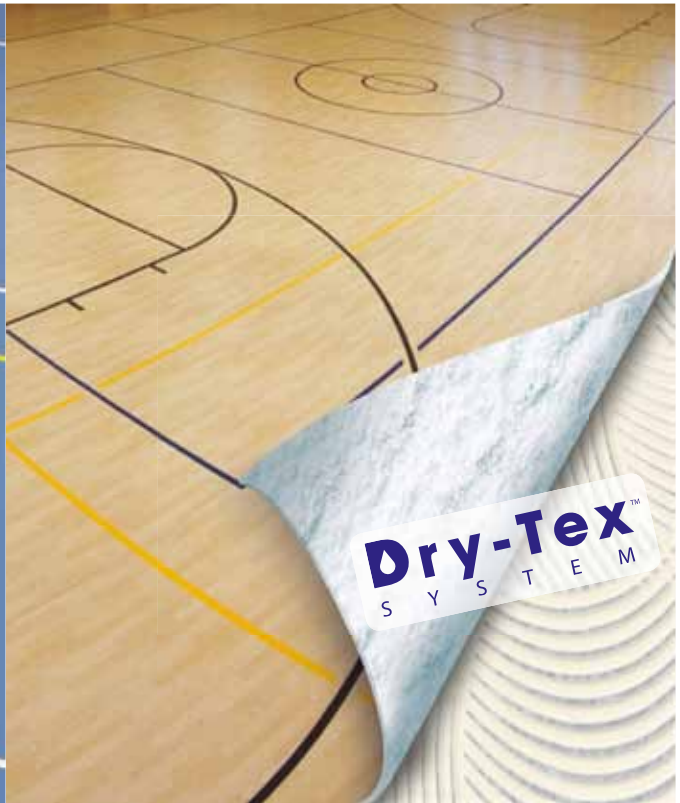
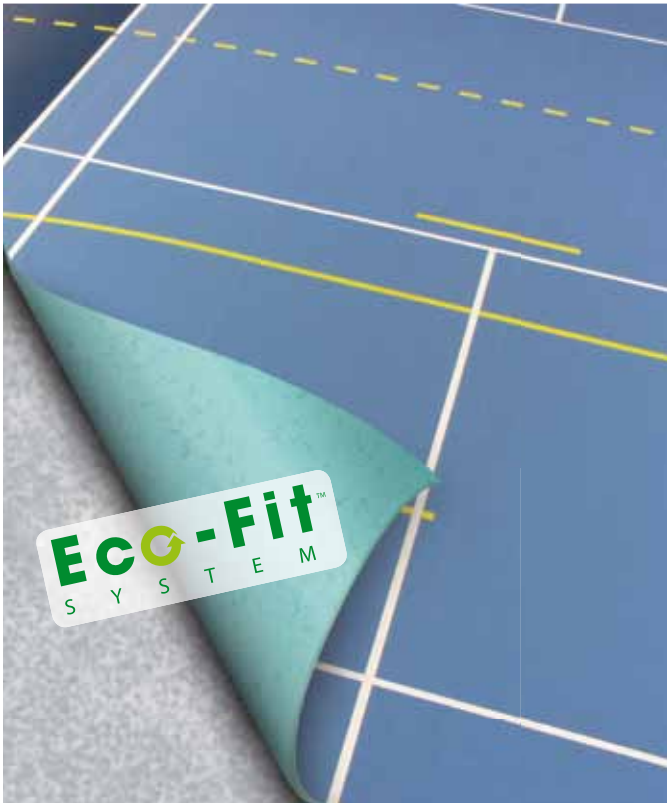


PRODUCT SPECIFICATION GUIDELINES

	Basketball	Volleyball	Handball	Tennis	Table Tennis	Badminton	Futsal	Multi-sports	Multi-purpose	Rolling Sports/ Handisports
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			installed over undercarriage system		■
TARAFLEX™ TENNIS (P1)				■						
TARAFLEX™ TABLE TENNIS 3.7 PORTABLE					■					
TARAFLEX™ BADMINTON 3.9 PORTABLE						■				
TARAFLEX™ FUTSAL (P1)							■			

■ = recommended / □ = Possible

A SOLUTION FOR EVERY PROJECT



NEW CONSTRUCTION – DAMP SUBFLOORS

Dry-Tex
SYSTEM

RENOVATION WORK – FREE-FLOATING

Eco-Fit
SYSTEM

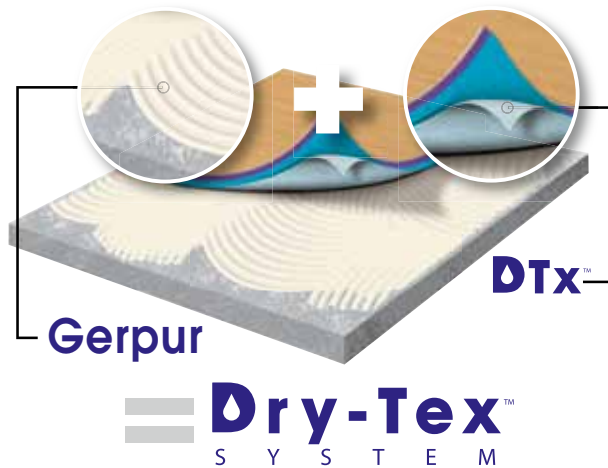
OTHER INSTALLATION SOLUTIONS

Glued installation - Installation on Isolsport - Installation on Sprung floors

FINISHES AND MAINTENANCE

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 / 3% 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	RH > 92% (BS 8203) or > 7% humidity (CCM)
Flatness	< 6mm / 3m
Surface	Hydraulic concrete*

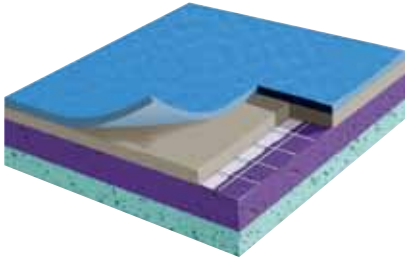
*for more information contact us

AVAILABLE WITH :

▶ TARAFLEX™ SPORT M EVOLUTION

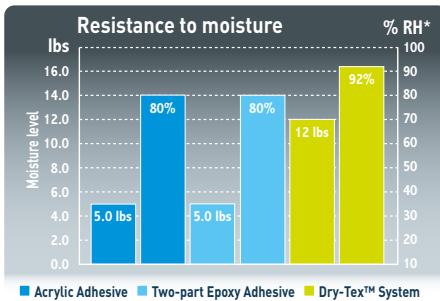
▶ TARAFLEX™ SPORT M PERFORMANCE

▶ TEXTILE BACKING



PRODUCT RANGE

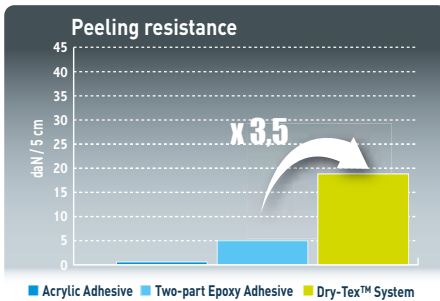
ENGINEERED FOR EVERY LEVEL OF PERFORMANCE



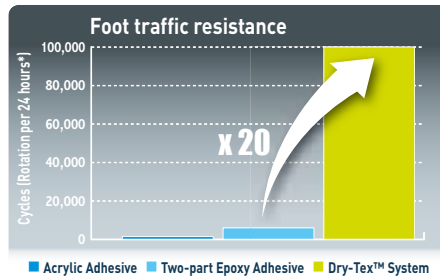
Save money ! Save time !

- ▶ No more need to wait for the floor tiles to dry completely; no more dampness tests! (carbide bomb tests)
- ▶ No more need for an intermediate underlay; installation is achieved with a single gluing operation.

High-performance adhesion!



Outstanding resilience to foot traffic!



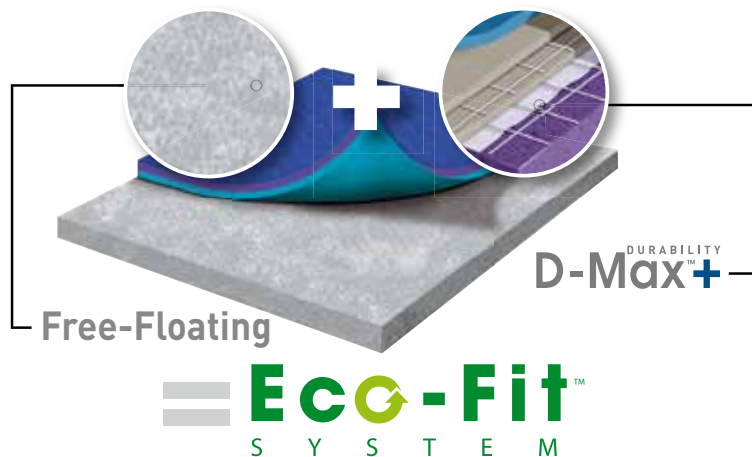
Gerpur adhesive considerably improves adhesion performance and resilience when compared with ordinary adhesives.

OTHER INSTALLATION METHODS

High moisture subfloors: Installation on Isolsport
(see page 30)

ECO-FIT™ SYSTEM

RENOVATION WORK – FREE-FLOATING



- ▶ **The free-floating Eco-Fit™ System** is a new installation system from Gerflor, ideal for renovation work on dry surfaces.
- ▶ The new surface complex D-Max™+ is strengthened with a second fibreglass grid. This **double reinforcement provides** the material with excellent dimensional stability.

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 concrete when stripping the floors! Eco-Fit™ System installation is fully integrated into Gerflor's eco-friendly program.

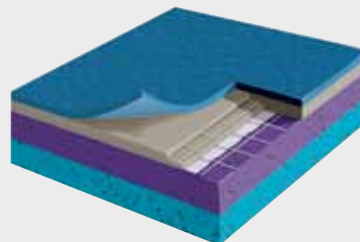
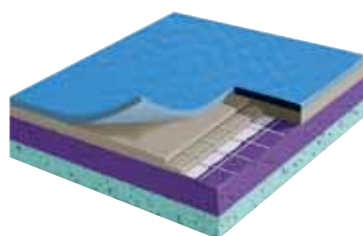


AVAILABLE WITH:

▶ TARAFLEX™
MULTI-USE 6.2

▶ TARAFLEX™ SPORT M
EVOLUTION

▶ TARAFLEX™ SPORT M
PERFORMANCE



PRODUCT RANGE

When, where and how to fit the Eco-Fit™ free-floating system?

- ▶ The Eco-Fit™ free-floating system is ideal:
 - for renovation work where there is no risk of rising dampness
 - over previous sports floorings (resin, parquet, PVC)
- ▶ On new surfaces where there is no risk of rising dampness (on upper floors, over service ducts, over sealing membranes, etc)
- ▶ Where a floor surface is flat; i.e., in accordance with EN Standard 14904, less than 6mm of variation under a 3-metre rule.

Installation criteria:

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

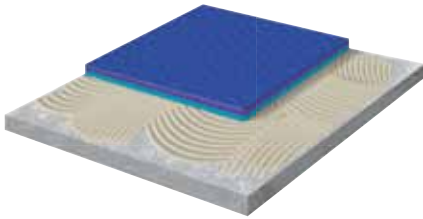
*for more information contact us



OTHER INSTALLATION METHODS
New construction and renovation
(see page 30)

OTHER INSTALLATION METHODS

▶ GLUED INSTALLATION: “ORIGINAL”



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

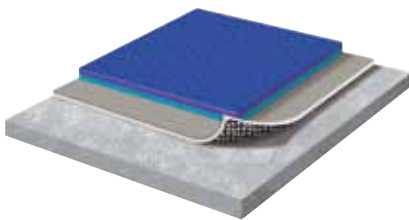
Glue-down installation is possible for all the products in the Taraflex™ Sports Flooring range.

- ▶ **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

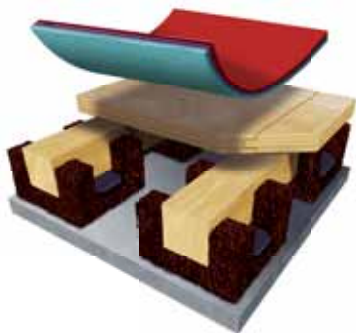
- ▶ For new builds and renovation work alike, depending on the level of dampness.

- ▶ **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





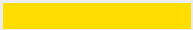


- ▶ Taraflex™ sports floors can be installed on all types of undercarriage systems, even those **exposed to rising dampness**, on new builds or as part of renovation work.

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

FINISHES

► Game lines - 5 colours available

	Volleyball
	Tennis
	Badminton
	Basketball
	Handball



► Lay out










► Accessories

- Welding rods
- Adhesives
- Paint
- Adhesive tape
- Skirting
- Tools and racks
- Cleaners
- Allowance
- Ramp edges







For any further information, please refer to the Finishes and technical solutions brochure.

MAINTENANCE

	Tools	Accessories	Cleaning products	Maintenance guidelines
INITIAL MAINTENANCE		Red or light green Topline  Rotocleaner brush	Neutral detergent or alkalin detergent if dirty	Rotary cleaning machine or scrubbed machine equiped- with water vacuum.
DAILY MAINTENANCE MANUAL CLEANING		Dry Broom	-	Broom without water
WEEKLY MAINTENANCE MECHANICAL CLEANING		Red or light green Topline  Rotocleaner brush	Neutral detergent or alkalin detergent if dirty	Wet broom Mechanical cleaning
DEEP-DOWN CLEANING (EVERY 2 MONTHS)		Red or light green Topline  Rotocleaner brush	Special detergent for scuffing (eg: Traciflex)	Poor detergent over shoe scuffings - Wait 5 minutes - Clean mechanically









TECHNICAL DATA

Description	Standard	Requirement	Units	Taraflex™ Surface	Taraflex™ Multi-Use 3.0	Taraflex™ Multi-Use 5.0	Taraflex™ Multi-Use 6.2	Taraflex™ Sport M Evolution
Dry-Text™ System	-	-	-	-	-	-	-	
Eco-Fit™ System	-	-	-	-	-	-		
Product Description								
Surface treatment	-	-	-	Triple-Action Protcsol®	Triple-Action Protcsol®	Triple-Action Protcsol®	Triple-Action Protcsol®	Triple-Action Protcsol®
Surface complex	-	-	-	D-Max™	Wear layer 100% pur PVC	D-Max™	D-Max+™	D-Max™ / D-Max +™
Foam	-	-	-	-	VHD	CXP™	CXP-HD™	Double density CXP-HD™
Thickness	EN 428	-	mm	2.1	3	5	6.2	7
Weight	EN 430	-	kg/m²	2.9	2.2	4	4.2	4.6
Length*	EN 426	-	lm	30 Max	25Max	30 Max	20.5 STD	29 Max
Width	EN 426	-	lm	1.5	2	1.5	1.5	1.5
Sport Properties								
Shock absorption	EN 14808	≥25	%	-	-	-	P1	P1
Vertical deformation	EN 14809	≤3.5	mm	-	-	-	≤2	≤2
Energy return	NF P 90 203	≥ 0.31	m/s	-	≥ 0.31	≥ 0.31	≥ 0.31	≥ 0.31
Sliding coefficient	EN 13036-4	80 to 110	-	80 - 110	80 - 110	80 - 110	80 - 110	80 - 110
Ball bounce	EN 12235	≥ 90	%	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90
Ball speed	UEFA	50 to 65	cm	-	-	-	-	-
	ITF	-	-	-	-	-	-	-
Technical Characteristics								
Abrasion resistance	EN ISO 5470-1	≤ 1000	mg	≤ 350	≤ 350	≤ 350	≤ 350	≤ 350
Impact resistance	EN 1517	≥ 8	N/m	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8
Indentation resistance	EN 1516	≤ 0.5	mm	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
Classification								
Fire	EN 13501-1	-	-	Bfl-s1	Bfl-s1	Cfl-s1	Cfl-s1	Cfl-s1
Bacteriostatic and fungistatic treatment	-	-	-	Sanosol®	Sanosol®	Sanosol®	Sanosol®	Sanosol®
CE Marking								
	EN 14 904 :2006	-	-	Fire Sliding Coefficient Abrasion Resistance Resistance to roaling load			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.

* For different roll lengths please contact us

 Dry-Text™ System  Eco-Fit™ System

Taraflex™ Sport M Performance	Taraflex™ Sport M Comfort	Taraflex™ Futsal	Taraflex™ Tennis	Taraflex™ Badminton			Taraflex™ Table Tennis			Taraflex™ Bateco	Taraflex™ Isolsport
				Portable	5.0	7.0	Portable	5.0	7.0		
	-	-	-	-	-		-	-		-	-
	-	-	-	-	-		-	-		-	-
Triple-Action Protocosol®	Triple-Action Protocosol®	Triple-Action Protocosol®	-	Triple-Action Protocosol®	Triple-Action Protocosol®	Triple-Action Protocosol®	Triple-Action Protocosol®	Triple-Action Protocosol®	Triple-Action Protocosol®	-	-
D-Max™ / D-Max +™	D-Max™	D-Max™	D-Max™	100% Pur PVC	D-Max™	D-Max™ / D-Max +™	100% Pur PVC	D-Max™	D-Max™ / D-Max +™	-	-
Double density CXP-HD™	Double density CXP-HD™	CXP-HD™	CXP-HD™	CXP™	CXP™	Double density CXP-HD™	CXP™	CXP™	Double density CXP-HD™	-	-
9	12	6.2	6.2	3.9	5	7	3.7	5	7	1.5	1.65
5.4	5.1	4.2	3.8	1.95	4	4.60	1.90	4	4.60	2.05	1.35
22 Max	29 Max	29 Max	24 STD	16 STD	30 Max	29 Max	16	30 Max	29 Max	30	45 Max
1.5	1.5	1.5	1.5	3x2.7	1.5	1.5	1.5	1.5	1.5	1.5	2
P2	P3	P1	P1	-	-	P1	-	-	P1	-	-
≤3	≤3.5	≤2	≤2	-	-	≤2	-	-	≤2	-	-
≥0.31	≥0.31	≥0.31	≥0.31	-	≥0.31	≥0.31	-	≥0.31	≥0.31	-	-
80 - 110	80 - 110	80 - 110	80 - 110	80 - 110	80 - 110	80 - 110	80 - 110	80 - 110	80 - 110	-	-
≥90	≥90	≥90	≥90	-	≥90	≥90	-	≥90	≥90	-	-
-	-	55	-	-	-	-	-	-	-	-	-
-	-	-	Class 5 (Fast)	-	-	-	-	-	-	-	-
≤350	≤350	≤350	≤350	≤350	≤350	≤350	≤350	≤350	≤350	≤300	-
≥8	≥8	≥8	≥8	-	≥8	≥8	-	≥8	≥8	-	-
≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Cfl-s1	Cfl-s1	Cfl-s1	Cfl-s1	Bfl-s1	Cfl-s1	Cfl-s1	Bfl-s1	Cfl-s1	Cfl-s1	Bfl-s1	Cfl-s1
Sanosol®	Sanosol®	Sanosol®	Sanosol®	Sanosol®	Sanosol®	Sanosol®	Sanosol®	Sanosol®	Sanosol®	-	-
Fire Shock Absorption Sliding Coefficient Abrasion Resistance Rolling load Resistance				Fire Sliding Coefficient Abrasion Resistance Resistance to roaling load			Fire Shock Absorption Sliding Coefficient Abrasion Resistance Resistance to roaling load			Fire	Fire

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