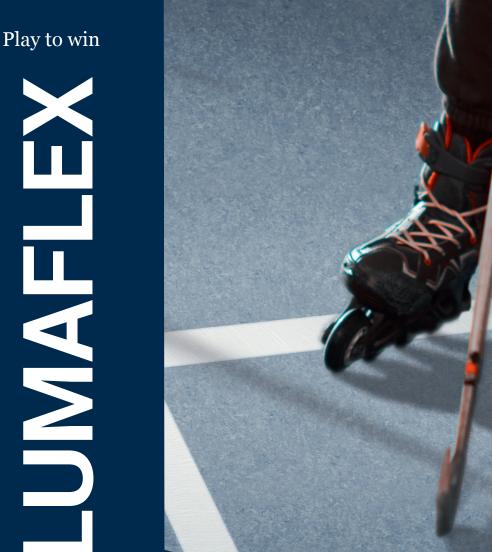
Combined solutions

LUMAFLEX





NDEX

SPORTS SURFACE STANDARD - EN14904 6 WHY CHOOSE LUMAFLEX? 8 SOLUTION GUIDE......11 **LUMAFLEX COLLECTIONS** OUR COMMITMENT TO THE PLANET20 PRODUCT LISTING24

LUMAFLEX

Combined solutions

With a wide range of flooring solutions, meeting the utmost sports performances, **Tarkett Sports** helps you throughout your renovation or new building project.

Our absolute priority is to meet sportsmen and women's expectations, in their different playing environments. That's why we are continuously working with international sports bodies and improving our sports surfaces.

This expertise enables **Tarkett Sports** to provide flooring solutions, which target the **specific design and performance requirements** of different profiles of athletes, across a range of physical activities.

The Lumaflex range is an exclusive flooring system that can be combined with our Linosport or Omnisports ranges. The real wood sub-construction provides stability and performance for high level sport practice up to competition. It also provides high resistance to static and rolling loads making the system versatile and perfectly adapted to multi-use purposes.

Tarkett Sports is the only solution provider to offer a **truly segmented approach** for the requirements of all indoor sports activities. For every area, we help you find **the right product to meet your requirements**.

Do you have a project? Challenge us!

TARKETT SPORTS IS A WORLD LEADER

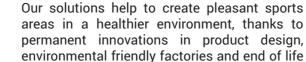
IN ATHLETIC SURFACES, OFFERING COMPLETE SOLUTIONS OF INDOOR AND OUTDOOR SPORTS FLOORINGS - THROUGH ITS MULITPLE OF OWN BRANDS. **OUR MISSION: TO OFFER SUSTAINABLE SPORTS SURFACES THAT MAKE**

THE DIFFERENCE FOR ATHLETES BOTH IN PUBLIC AND PRIVATE FACILITIES.



A EUROPEAN LEADER

Tarkett Sports is a French group with our head office based in Paris - La Défense. Our solutions are manufactured in our technologically advanced European factories: Vinyl and Synthetic turf (France), Linoleum (Italy), Wood (Sweden).



AN INNOVATIVE LEADER

Inventor of synthetic turf systems: 3G, Core fibre, ProMax Hydroflex filling, the intelligent Genius system and Omnisports vinyl with the exclusive GreenLay™ installation method.



customers.

A NETWORK OF EXPERTS

Tarkett Sports works with its teams and the most experienced and competent local partners in the industry, for the design and installation of your sports facilities.



A LEADER AT YOUR SERVICE

A SUSTAINABLE LEADER

recycling programmes.

AN EXPERIENCED LEADER

We are as committed to your project as you are. When you choose Tarkett Sports, you choose a company that knows how to take care of you and the players.

Almost 100 million sqm installed, more than 20,000 sites in the world and as many satisfied









They share their experience...



Partnering with FieldTurf was an easy decision for me and my company. Having experienced their product first-hand and understanding Tarkett Sports commitment to innovation and customer service, makes this an exciting opportunity.



RICHIE GRAY COACH ET MANAGING DIRECTOR MONTPELLIER - HERAULT RUGBY



We wanted to bring dynamism and create a friendly space for this sports facility through the use of colours. The variety of Omnisports' colour palette allowed us to think outside the box and let our imagination roam free. We were able to create an original environment that was very well received by the players and the



LUDOVIC GAILLOT ARCHITECT-PELLEAU & ASSOCIÉS



Thanks to the efforts of a motivated team and an hybrid turf system, we now have one of the best fields in the English Premier League. The GrassMaster system enables us to maintain a free draining, stable and consistent playing surface.



LEE JACKSON GARDEN KEEPER MANCHESTER CITY



...the flooring system works magnificent. We have also been able to host our graduation in here. So in other words, we were able to insure that the flooring can provide sports, but also any other events that a school might want to use in a gymnasium...



BRYAN NIXON HEAD OF SCHOOL, WHITBY SCHOOL GREENWICH, CONNECTICUT

Combined solutions | 5 | Lumaflex

EN 14904

The EN 14904 standard is the basis of the EC marking for indoor sports surfaces. This standard is mandatory and specifies certain requirements for sports flooring in indoor facilities. The standard guarantees a safe and adapted surface for sports performance and comfort, as well as a durable and resistant flooring throughout its lifespan.

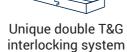
REQUIREMENTS FOR SAFETY IN USE	STANDARDS	REQUIREMENTS Area elastic (A) and combined elastic floorings (C)
Shock absorption	EN 14808	40% <55% (CLASS A3) ≥ 45% <55% (CLASS C3) ≥ 55% <75% (CLASS A4/C4)
Friction	EN 13036-4	80-110
Vertical deformation	EN 14809	≤ 5MM

TECHNICAL REQUIREMENTS	STANDARDS	REQUIREMENTS
Vertical ball behaviour	EN 12235	≥ 90%
Resistance to a rolling load	EN 1569	≤ 0.5MM
Resistance to wear	EN ISO 5470-1	<16
Reaction to fire	EN 13501-1	ACCORDING TO STANDARD
Resistance to indentation	EN 1516	< 0.5MM
Resistance to impact	EN 1517	NO DAMAGE
Formaldehyde emission and content of pentachlorophenol	EN 717-1 EN 717-2	DECLARATION
Specular reflectance	EN 13745	ACCORDING TO STANDARD
Specular gloss	EN ISO 2813	≤30% AT 85° ANGLE

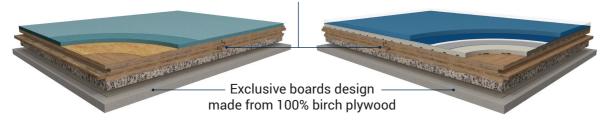


THE ONLY SPORTS SOLUTIONS THAT COMBINE WOOD SYSTEMS' HIGH SPORTS PERFORMANCE AND THE EASE OF MAINTENANCE OF VINYL & LINOLEUM SURFACES

Linosport top layer



Omnisports top layer





EXCELLENT SPORTS PERFORMANCES

- The unique multi-sports & multi-use solution with A3 & A4 classification
- Exclusive boards design made from 100% birch, that provides stability & performance for enhanced sports experience
- Offers excellent level of shock absorption, up to 60%
- Guarantees an adequate and consistent level of ball bounce for ball sports





HIGHLY DURABLE & EASY TO MAINTAIN

- High reliability and resistance to use thanks to the birch wood subconstruction
- High resistance to wear and scratches, and increased lifespan thanks to Linosport & Omnisports top layers
- Use of cleaning equipment with no need of any type of precaution of weight
- Reduce maintenance costs thanks to X-treme xf^{2™} & TopClean XP[™] surface treatments





VERSATILITY & FLEXIBILITY

- Exceptional resistance to point loads (up to 1200 kg*) and heavy rolling loads (up to 2000 kg*) thanks to unique double Tongue & Groove interlocking system
- Accommodate non-sporting events with no need of any type of protection**
- Accommodate bleachers and portable equipment, such as basket lifts, with no need of reinforcement panels**
- · No additional storage required
- Long-term gains and budget savings
- * Lumaflex Extreme Linosport xf^{2™}
 ** Lumaflex Extreme Linosport xf^{2™} & Lumaflex Energy
 Omnisports Compact



ENVIRONMENTALLY FRIENDLY

- Sub-structure made exclusively from birch, fast growing wood
- For Linosport & Omnisports top layers*:
- 100% recyclable and transparent % of recycled materials
- Contributes to lung protection thanks to extremely low VOC emissions, less than 10µg/m³ (after 28 days)
- · Allergy UK seal of approval
- Eligible for ReStart® program
- * Learn more about our commitment to the planet page 20



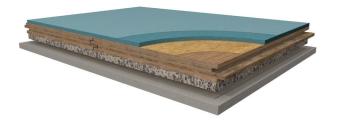
LUMAFLEX EXTREME LINOSPORT xf^{2TM} **A3,** Unique solution for multi-sports and extreme multi-use UNIVERSITY CITY HALL GYM **LUMAFLEX** HEAVY MULTI-USE ENERGY OMNISPORTS COMPETITION **REFERENCE MULTI-USE C4,** Highest performance level ideal for handball **MULTI-SPORTS** LIGHT MULTI-USE and volleyball at competition level **& MULTI-USE** CHINTERSITY / CITY HALL GYM A4, **A4,** Ideal resistance for multi-sports and light multi-use





SOLUTION GUIDE A dedicated solution for each area

		LUMAFLEX (Combined)					
Highly recom	nmended	Lumaflex Extreme Linosport xf ^{2™}	Lumaflex Energy Omnisports Reference <i>Multi-use</i>	Lumaflex Energy Omnisports Compact	Lumaflex Energy Linosport xf ^{2TM}		
EDUCATION			•				
MIDDLE SCHOOL	Multi-use	•	•	•	•		
HIGH SCHOOL	Multi-sports	•	•	•	•		
	Multi-use	•	•	•	•		
UNIVERSITY	Multi-sports	•	•	•	•		
	Multi-use	•	•	•	•		
COMPETITION							
Handball		•	•				
Volley-ball		•	•				
Badminton		•	•				
LEISURE							
CITY GYMNASIA	Multi-sports	•	•		•		
	Multi-use	•	•	•	•		
Squash		•			•		
Roller		•			•		
Floorball		•	•				
Futsal		•	•		•		
FITNESS		,					
Group classes		•	•	•	•		
Cardio: bikes, trea	dmills, rowing machines,	•		•	•		
Indoor cycling		•		•	•		
Boxing			•	•			
Functional training		•	•	•	•		
Martial arts				•			





LUMAFLEX EXTREME

The unique multi-sports and extreme multi-use solution with exceptional resistance to heavy rolling and point loads

KEY FEATURES

- Exceptional resistance to point loads ≥1200 kg and heavy rolling loads ≥2000 kg thanks to unique double Tongue & Groove interlocking system
- Multi-sports up to competition level thanks to 18mm real wood sub-construction made exclusively from birch, that provides stability and performance for enhanced sports experience and extreme resistance to use.
- Increased lifespan thanks to linoleum durability

CHOOSE YOUR COLOURS

Lumaflex Extreme Linosport xf^{2TM} 3.2mm



































APPLICATIONS

Multi-sports up to competition level, roller sports, handisports, extra-sportive events: bleachers, basket lift, tables & chairs, cleaning equipment,...









FORMAT







































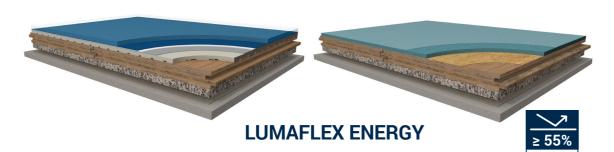












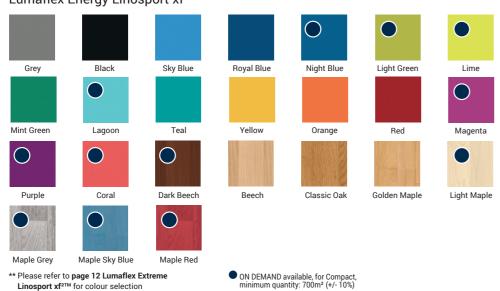
High performance multi-sports solution & light multi-use

KEY FEATURES

- Affordable multi-sports solution with high sports performance ≥60% shock
- High resistance to point loads ≥800 kg and heavy rolling loads ≥500 kg thanks to unique double Tongue & Groove interlocking system
- 15mm real wood sub-construction made exclusively from birch, that provides comfort and performance for enhanced sports experience

CHOOSE YOUR COLOURS

Lumaflex Energy Omnisports Compact & Reference Multi-use Lumaflex Energy Linosport xf2TM**



APPLICATIONS

Multi-sports up to competition level (Lumaflex Energy Omnisports Reference *Multi-use*: handball et volley-ball up to competition level), extra sportive events (light multi-use)













FORMAT







Omnisports Reference *Multi-use* 2m x 20.5 lm **Thickness** 6.2 mm















Linosport xf^{2™} & Omnisports Compact











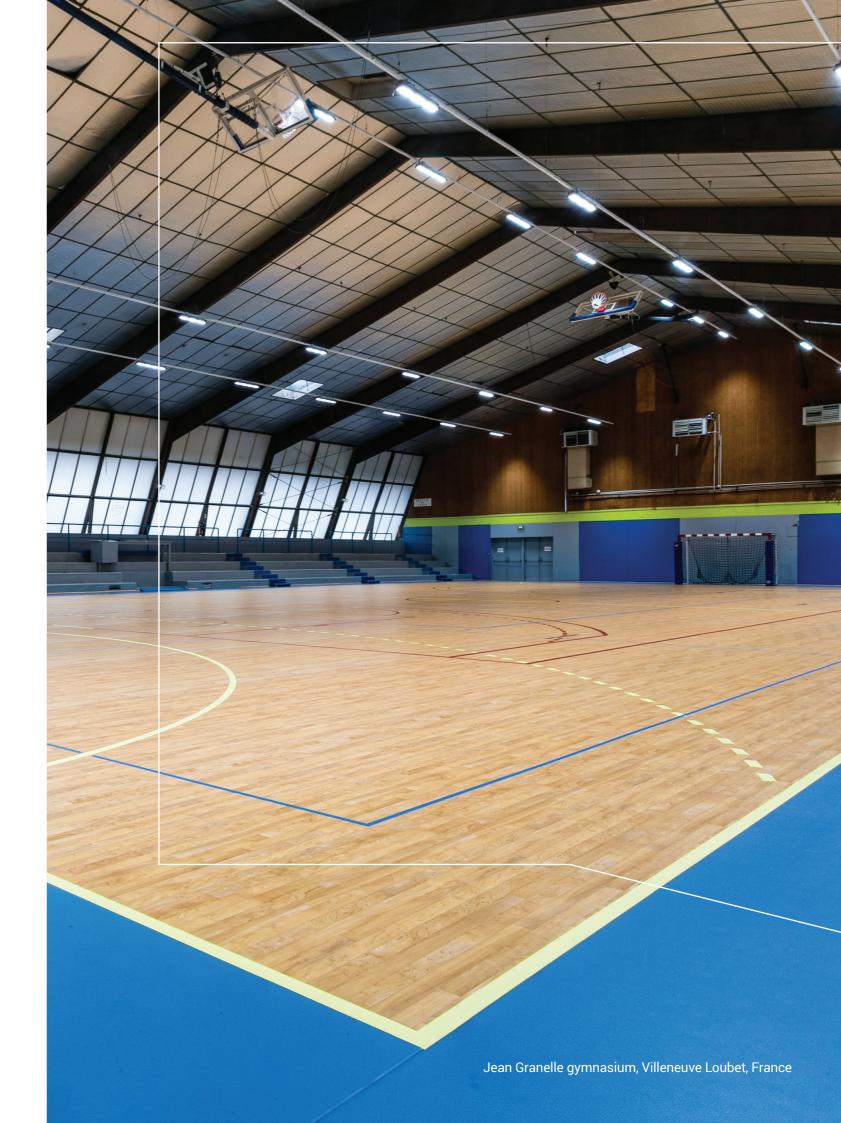




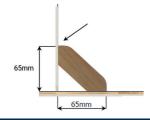










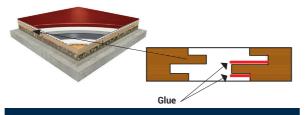


WOOD VENTILATED SKIRTINGS

Specific wood varnished skirting with spaces made to allow cross ventilation of the wood flooring or sub-construction.

Wood Ventilated Skirting (standard) 1 box of 5 units - 11.75 lm 22 mm thickness x 65 mm width x 2350 mm length

Wood Ventilated Skirting (wide) 1 box of 4 units - 9.40 lm 27 mm x thickness x 84 mm width x 2350 mm length



LUMAGLUE

Lumaglue is a vinyl glue used to correctly bond Lumaflex wood boards in particular at the tongue and groove interlocking system. Lumaglue comes in a 5 kg bucket and is consumed at a 5 kg for 100 sqm.



TRAPDOORS

"Bare" trapdoor to be filled with Linosport or Omnisports.

Available in 2 versions Diameter 135mm (net opening 90mm) Diameter 230mm (net opening 180mm)



SUCTION PAD

Tool to open trapdoors. Sold by unit.





TRANSITION SET

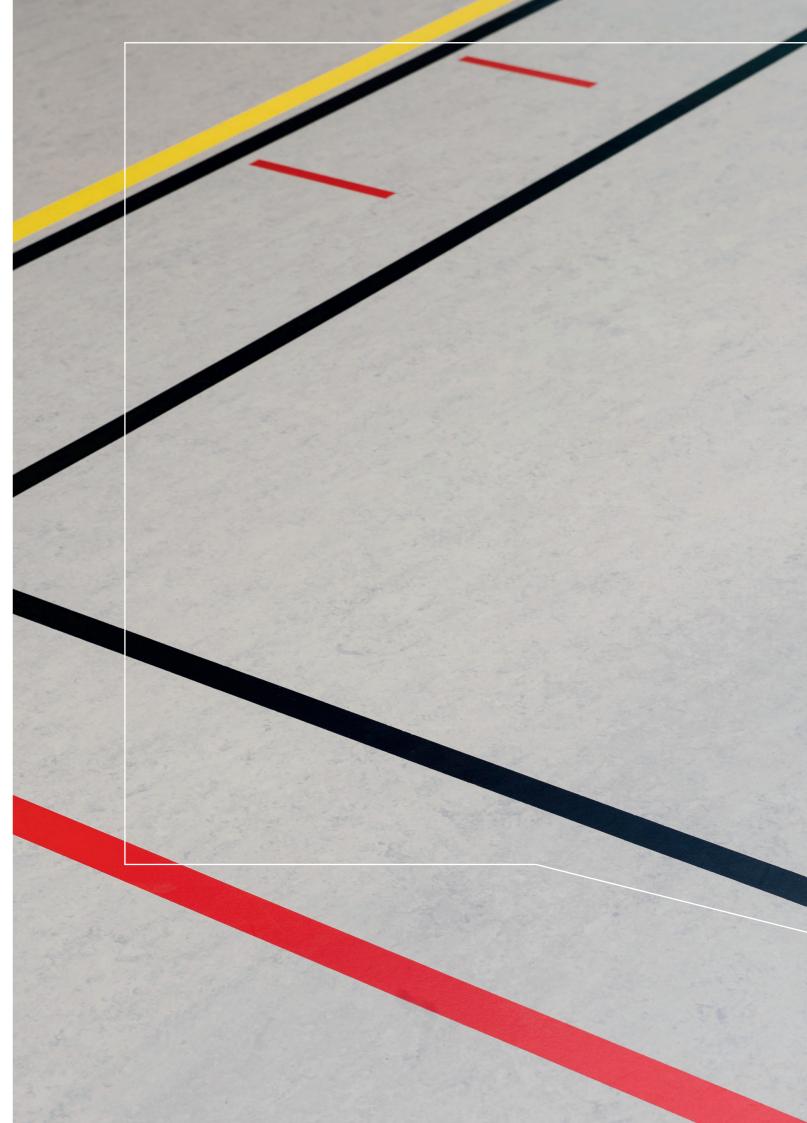
Facilitates access to wood or combined sports systems (up to 40mm high). Made from exotic wood for extreme resistance.

> 40mm x 2700mm 5.4lm per bundle



Aluminum transition strips

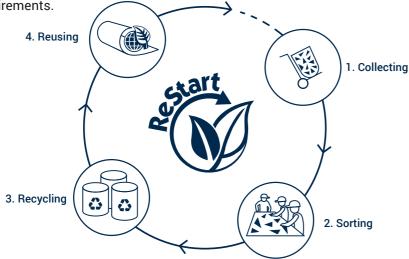
Standard 30 x 3000mm 80 x 3000mm 100 x 3000mm 130 x 3000mm Adaptable Compensating up to 14 mm difference in level



VALUE YOUR JOBSITE WASTE!

RESTART: FREE COLLECTION AND RECYCLING SERVICE OF OMNISPORTS & LINOSPORT

- Optimises jobsite waste management.
- · Guarantees traceability of collected off-cuts.
- Integrates sustainable development and anticipates European regulation



TAILORED OFFER

ROLL LENGTH ON DEMAND ON OMNISPORTS

Tarkett Sports can handle your length requirement in order to give you and your project the personal attention to details you deserve:

- · Available by «multiple» of 10cm
- Reduces waste
- Saves time

Minimum quantity: 250m² (per colour)

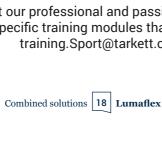
GET THE AMOUNT YOU REALLY NEED CUT SERVICE ON OMNISPORTS

- Available for all poduct profiles on stock rolls.
- Minimum quantity: 5m².

WOULD YOU LIKE TO IMPROVE YOUR KNOWLEDGE OF INDOOR SPORTS?

TAILORED TRAINING MODULES

Contact our professional and passionate training team for specific training modules that fits your needs: training.Sport@tarkett.com





CIRCULAR ECONOMY

ENDLESSLY INNOVATING TO REDUCE OUR IMPACT ON THE PLANET

- Omnisports and Linosport ranges are 100% recyclable and contain a transparent percentage of recycled materials.
- The clean off-cuts can be collected, recycled and reused in the production of vinyl or linoleum floor coverings through ReStart® Programme.
- Omnisports and Linosport ranges are covered by a specific third-party verified **Environmental Product Declaration (EPD),** disclosing among other indicators the carbon footprint of the flooring during its whole lifecycle.



GOOD MATERIALS

OUR RAW MATERIALS ARE CAREFULLY SELECTED

Tarkett Sports is **committed to an environmental strategy** based in particular on **qualitative components choice** to design its products, **users' health and well-being**, as well as **materials reuse**:

- Omnisports and Linosport ranges are endlessly recyclable.
- Omnisports products are **100% phthalate free**: they are designed with renewable plasticizers which are also used in children's toy industry.
- Omnisports products are **100% biocide free**: antimicrobial treatments have been removed to preserve human health and the environment.
- Omnisports and Linosport ranges are covered by a third-party verified ingredient disclosure and material risk declaration down to 0.01%w, thus ensuring compliance far beyond REACH requirements (MHS).









INDOOR AIR QUALITY

EXCEEDING INDUSTRY STANDARDS AND CHAMPIONING CLEARER AIR FOR ASTHMA AND ALLERGY SUFFERERS

- Our products contribute to better indoor air quality with TVOC emissions 10 to 100 times lower than the most stringent world standards.
- Omnisports and Linosport ranges received the label Allergy UK Seal of Approval: recognised in 135 countries, and is considered to prevent people from allergy diseases.
- Our unique Omnisports installation method, GreenLay™, is sustainable and convenient with only 2% of the surface glued.











Some of our international references...



SPORT'CO SPORTS CENTRE Lumaflex Extreme Linosport xf²

Beaucouzé, France (2019)



AIX-EN-PROVENCE ARENA TRAINING CENTRE PAUC HANDBALL (LIDL STAR LEAGUE)

Lumaflex Extreme Omnisports Reference *Multi-use* Aix-en-Provence, France (2017)



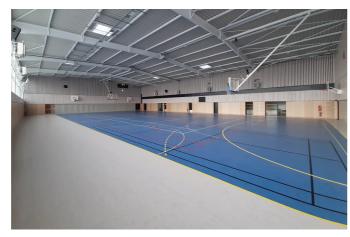
Lumaflex Extreme Omnisports Reference Multi-use - Villeneuve Loubet, France (2020)



LOUDEAC SPORTS HALL Lumaflex Extreme Linosport xf² Loudéac, France (2014)



VERGER GYMNASIUM Lumaflex Extreme Linosport xf² Ville d'Auray, France (2017)



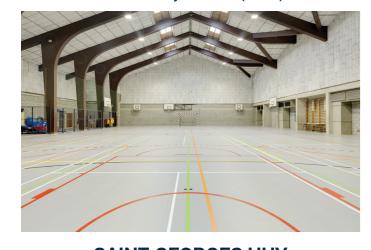
LA FERRIERE GYMNASIUM Lumaflex Extreme Linosport xf² La Ferrière, France (2021)



JÖNKÖPING SPORTS HALL Lumaflex Extreme Omnisports Reference Multi-use - Jönköping, Sweden (2019)



ROBERTSAU SPORTS CENTRE Lumaflex Extreme Linosport xf² Strasbourg, France (2017)



SAINT-GEORGES HUY Huy, Belgium (2020)



COUBERTIN GYMNASIUM PRO B VOLLEYBALL





VLAANDEREN SPORTS HALL Lumaflex Extreme Linosport xf2 Herentals, Belgium (2017)



BURNLEY COLLEGE Linosport xf² Burnley, UK (2020)

PRODUCT LISTING

	SUB-CONSTRUCTION		LINOLEUM TOP LAYER LINOSPORT XF ²		VINYL TOP LAYER OMNISPORTS		
	DESCRIPTION	SAP CODE	DESIGN	SAP CODE	DESIGN	COMPACT	REFERENCE MULTI-USI
	Tarfilm	1027006	Absinthe	14849695	Beech	3916001	26528001
S	Tarfoam 60	1551084	1Amber	14849636	Black	3917010	26528010
NOL	Lumaflex Extreme panels	1026011	Carmine	14849645	Coral*	3917033	26528033
LEC	Lumaflex Energy panels	1026012	Grey	14849793	Grey	3917009	26528009
COL	·		Horizon	14849663	Grey Maple*	3916005	26528005
LUMAFLEX EXTREME & ENERGY COLLECTIONS			100% Linen	14849400	Dark Beech*	3916020	26528007
ENE			Navy	14849688	Lagoon*	3917034	26528034
1E &			Periwinkle	14849761	Light Green*	3917020	26528020
REN			Sisal	14849611	Lime*	3917035	26528035
EX			Slate	14849674	Magenta*	3917022	26528022
LEX			Steel	14849673	Maple - Light Maple*	3916019	26528019
JMA			Sunflower	14849628	Maple - Sky Blue*	3916017	26528014
			Terracotta	14849641	Maple - Golden Maple	3916002	26528002
			Lavender	14849670	Mint Green	3917026	26528026
			Aluminium	14849672	Night Blue*	3917024	26528024
	-			•	Oak Sport Classic	3916003	26528003
ACCESSO	RIES AND PROTI	ECTION SOLU	TIONS PRODU	CT CODES	Orange	3917012	26528012
	ENTILATED SK			ISITION SET	Purple*	3917025	26528025
Oak varnis	Stand	lard Wide	1551		Red	3917011	26528011
Beech var	nished: 15510	067 15510	066		Red Maple*	3916006	26528006
viaple var	nished: 15510	067 15510	1/0		Royal Blue	3917016	26528016
STRIPS			MINUM NSITION STRIP		Sky Blue	3917017	26528017
					Teal	3917015	26528015
Vidth 100					Yellow	3917013	26528013
					* ON DEMAND	lable for Compact reini	mum quantity: 700m² (+/- 10%)

TRAPDOORS

Diameter 135 mm (net opening 90 mm) 15510234

PROTECTILES

Blue: 44003003

Grey: 44003001

Brown: 44003002

Night blue: 44003003 Red: 44003004

Diameter 230 mm (net opening 180 mm) 1551035

SUCTION PAD 1551056

* ON DEMAND available, for Compact, minimum quantity: 700m² (+/- 10%)

PROTECTILES TROLLEY 1568001

TOUCHDOWN Grey: 3964001

Beige: 3964002 Green: 3964003

UNROLLER FOR TOUCHDOWN

(A) device: 1562001 (B) chuck: 1502002

Combined solutions | 24 | Lumaflex

Technical Data

		LUMAFLEX EXTREME	LUMAFLEX ENERGY				
TECHNICAL DATA	STANDARDS	LUMAFLEX EXTREME LINOSPORT XF ^{2TM}	LUMAFLEX ENERGY OMNISPORTS COMPACT	LUMAFLEX ENERGY OMNISPORTS REFERENCE MULTI-USE	LUMAFLEX ENERGY LINOSPORT XF ^{2TM}		
CERTIFICATION & CLASSIF	FICATION						
Type of floorcovering	EN 14904	Area-elastic sports floorings	Area-elastic sports floorings	Combined-elastic sports floorings	Area-elastic sports floorings		
TECHNICAL CHARACTER	ISTICS						
Total weight	ISO 23997 (EN 430)	15.4 kg/m²	13.8 kg/m²	14.6 kg/m²	15 kg/m²		
Width	ISO 24341 (EN 426)	2m	2m	2m	2m		
Length	ISO 24341 (EN 426)	ca. 28lm	23lm	20.5lm	ca. 28lm		
Board dimensions	ISO 24342 (EN 427)	2490 x 395 x 18mm	2490 x 395 x 15mm	2490 x 395 x 15mm	2490 x 395 x 15mm		
Total thickness	ISO 24346 (EN 428)	36.2mm	32mm	36.3mm	33mm		
REQUIREMENTS FOR USE							
Friction ->	EN 13036-4	Compliant					
Shock absorption	Average measured value	А3	A4	C4	A4		
•••	EN 14808 requirement	≥40% <75%	≥ 55% < 75%	≥ 55% < 75%	≥ 55% < 75%		
Vertical deformation	EN 14809	А3	A4 C4		A4		
Specular gloss	EN ISO 2813	Compliant					
TECHNICAL REQUIREMEN	тѕ						
Vertical ball behaviour	EN 12235	≥ 90%					
Reaction to fire	EN 13501-1	C _{fi} -s1					
Resistance to wear	EN ISO 5470-1	≤1 g					
Resistance to indendation	Average measured value	Compliant					
.	EN 1516 requirement	≤0.50mm					
Resistance to a rolling load O	EN 1569	Compliant					
COLOURS							
		15	Uni: 16 Wood: 8	Uni: 16 Wood: 8	15		

The above information is subject to modification for the benefit of further improvement. (02/2021).

Tarkett Sports' instructions regarding installation, cleaning and maintenance should be observed. Please contact Tarkett at the address shown for these instructions











3.2mm

















Omnisports:

top layer only









Compact









Omnisports:

top layer only

■ WESTERN EUROPE: Austria: Tarkett Holding GmbH, Niederlassung Wien - Tel. +43 1 47 88 062 ■ Belgium: Tarkett Belux Sprl - Tel. +32 16 35 98 80 ■ Denmark: Tarkett A/S - Tel. +45 43 90 60 11 ■ Finland: Tarkett 0y - Tel. +358 9 4257 9000 ■ France: Tarkett Sports - Tel. +33 1 41 20 41 34 ■ Germany: Tarkett Holding GmbH - Tel. +49 62 33 810 ■ Greece: Tarkett Monoprosopi Ltd - Tel. +30 210 6745 340 ■ Italy: Tarkett Sports - Tel. +35 12 1 427 4551 ■ Luxembourg: Tarkett GDL SA - Tel. +35 29 49 211 8804 ■ Netherlands: Tarkett BV - Tel. +31 14 16 685 491 ■ Norway: Tarkett A - Tel. +43 12 1427 4427 64 20 ■ Spain: Fieldturf Poligras Tel: +34 630 93 67 71 ■ Sweden: Tarkett Serice Ball Turkey: Tarkett Sports - Tel. +451 21 427 64 20 ■ Spain: Fieldturf Poligras Tel: +34 630 93 67 71 ■ Sweden: Tarkett Serice Ball Turkey: Tarkett Sports - Tel. +90 212 21 31 65 80 ■ United Kingdom: Tarkett Ltd - Tel. +44 (0) 1622 854 040 ■ EASTERN EUROPE: Baltic Countries: Tarkett Baltics: Tel. +370 37 262 220 ■ Czech Republic: Tarkett org. složka - Tel. +420 271 001 600 ■ Hungary: Tarkett Polska Sp. z.o. o. - Tel. +48 22 16 09 231 ■ Russian Federation: ZAO Tarkett RUS - Tel. +7 495 775 3737 ■ Slovakia: Tarkett Polska, organizačná zlozka - Tel. +421 2 48291 317 ■ South East Europe: Tarkett SEE - Tel. +381 21 7557 649 (44) 569 12 21 ■ Ukraine: Tarkett UA - Tel: +38 (0) 44 569 12 21 ■ ASIA AND OCEANIA: Australia: Tarkett Australia Pty Ltd - Tel. +61 2 88 53 12 00 ■ China: Tarkett Flooring (Shanghai) Co. Ltd. - Tel: +86 (21) 60 95 68 38 ext 841 ■ North East Asia: Tarkett Hongring Singapore Pte. Ltd. - Tel: +65 6346 1585 ■ AFRICA: Tarkett International: Tel. +33 1 41 20 41 01 ■ MIDDLE EAST: Tarkett Middle East: Tel. +961 1 51 3363/4 ■ Israël: Tarkett International: Tel. +33 1 41 20 41 01 ■ MORTH AMERICA: USA: Tarkett International: Tel. +55 11 9 8410 9310 / +55 11 95494 0069 ■ Mexico /Central America: Tarkett Latam Mexico - Tel. +55 11 98410 9310 / +55 11 95494 0069 ■ Mexico /Central America: Tarkett Latam Mexico - Tel. +55 11 98410 9310 / +55 11

