Flooring for Health Clubs & Gyms

TVS GROUP

SPORT | FITNESS | PLAY | ACOUSTICS

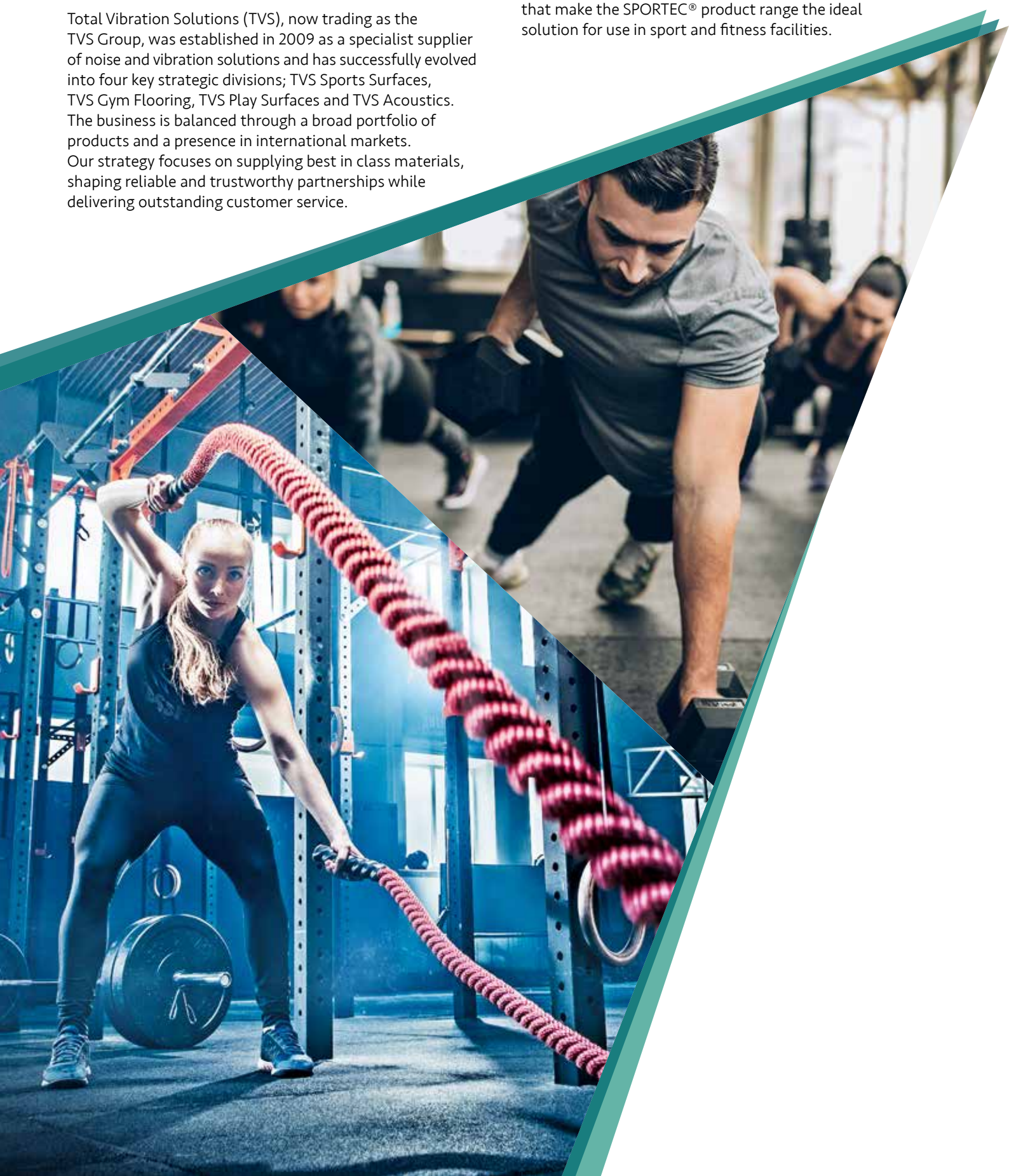
www.TVS-Group.co.uk

Overview

TVS Group is one of the leading sports and fitness flooring suppliers in the UK. With strategic partners and the best manufacturers worldwide we can offer a unique range of flooring options to suit any sporting or fitness space. You can find our range of flooring in school sports halls, community leisure centres as well as some of the most famous sporting arenas in the world.

Total Vibration Solutions (TVS), now trading as the TVS Group, was established in 2009 as a specialist supplier of noise and vibration solutions and has successfully evolved into four key strategic divisions; TVS Sports Surfaces, TVS Gym Flooring, TVS Play Surfaces and TVS Acoustics. The business is balanced through a broad portfolio of products and a presence in international markets. Our strategy focuses on supplying best in class materials, shaping reliable and trustworthy partnerships while delivering outstanding customer service.

TVS Group is the UK's exclusive distributor of the SPORTEC® brand. SPORTEC® floor coverings, made from top-quality recycled rubber tyre and EPDM colour granules, are extremely sturdy, easy to clean and water-resistant. Soft underfoot comfort, outstanding impact sound properties, force reduction, robustness as well as easy installation and maintenance, are all characteristics that make the SPORTEC® product range the ideal solution for use in sport and fitness facilities.



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easyGym, Oxford Street London

SPORTEC® Style Tile

The **SPORTEC® Style Tile** protects subfloors from damage by falling heavy objects such as dumbbells, barbells, Olympic discs and kettlebells, all commonly used in free weights areas in gyms. Conventional floors offer little protection in this environment and long-term damage to the subfloor structure and gym equipment is a real possibility. The SPORTEC® Style Tiles are designed specifically to reduce this impact shock. The tiles are simple to install and are loose-laid over the existing subfloor.

Adjacent tiles are inter-locked with connector pins, creating a solid and stable platform for performing weight lifting exercises. The SPORTEC® Style Tiles are available in thicknesses of 30mm or 40mm and in a variety of surface finishes and colours. In addition, the SPORTEC® Style Edge and Corner Profiles are the perfect complement to the SPORTEC® Style Tile as they provide a smooth and safe transition when entering or leaving the heavy weights area.

Key features and benefits

- Heavy-duty, impact-resistant rubber tiles.
- Easy to install.
- Low maintenance.
- Available in a range of finishes & colours.

Style Tile with a Color-15 Finish

Style Tile with a Purcolor Finish

Style Tile with a Uni-Versa Finish

Technical data

Tensile strength	min 0.7 N/mm² (EN ISO 1798)
Anti-slip properties	R10 (DIN 51130) / R9 (DIN 51130; with a PURCOLOR finish)
Anti-slip properties (wet)	C (DIN 51097; UNI-VERSA finish only)
Step sound insulation	26dB
VOC emission rating	A+
Material	polyurethane-bonded recycled rubber granules available in a variety of finishes.
Thickness	30, 40, 70mm (+/-2mm)*
Dimensions	**30mm:** 500 x 500mm or 1000mm x 500mm **40mm:** 500 x 500mm or 1000mm x 500mm **70mm:** 500 x 500mm (NEW in 2019)

*The SPORTEC® Style Tile with a UNI-VERSA finish is only available in a thickness of 30mm.

TVS Oak Inserts

Technical data

Material	solid engineered oak
Finish	sealed and lacquered
Dimensions	2000 x 1000mm or 3000 x 1000mm
Thickness	30 or 40mm
Graphics	extensive customisation options

SPORTEC® Style Tiles: Colours & Finishes

STYLE TILE WITH A COLOR FINISH – COLOURS AND HUES

Color-0 Black	Color-15 Black/Dark Grey	Color-15 Black/Grey
Color-15 Black/Blue/Grey	Color-15 Black/Blue	Color-15 Black/Red
Color-15 Black/Bright Orange	Color-15 Black/Green	Color-15 Black/Bright Yellow
Color-15 Black/Lilac		

STYLE TILE WITH A PURCOLOR FINISH – COLOURS AND HUES

Light Grey	Mid Grey	Dark Grey
Blue	Red	

STYLE TILE WITH A UNI-VERSA FINISH *(for outdoor areas)*

Light Grey	Dark Grey	Beige
Blue	Red	Green

SPORTEC® Style Edge & Corner Profiles

SPORTEC® Style Edge and Corner Profiles are the perfect complement to our SPORTEC® Style Tiles. With its bevelled edges, they provide a smooth and safe transition zone, reducing the risk of tripping when entering or leaving heavy weight areas.

Technical data

Material	polyurethane bonded recycled rubber granules.
Colours	black or red. Other EPDM colours are available on request.
Surface	open pored and smooth.
Thickness	30/10mm, 40/10mm, 50/20mm, 70/20mm
Length/ width	**Edges:** 1000mm x 250mm (+/- 0.8%) **Corners:** Outer Edge: 1000mm x 250mm (+/- 0.8%) Inner Edge: 750mm x 250mm (+/- 0.8%)

Case Study – easyGym

SPORTEC® Style Tiles are the ideal floor covering for weightlifting areas

Project Information

This gym was located on the upper level of a shopping plaza in the heart of London and required a robust flooring solution for the weightlifting area. To fulfil this requirement, TVS supplied shock-attenuating rubber floor tiles made from a mixture of black recycled rubber granules bound together with a polyurethane resin. Finally, a coloured EPDM granule was added to the wear layer. This product was chosen because the resilient material offers extra protection to the substrate, which is particularly important in busy weightlifting areas where weights are dropped frequently. The tiles are simple to install, require little to no maintenance and interlock together with pre-inserted plastic dowels to create a stable performance surface for weightlifting activities to take place safely.
This floor covering offers good grip underfoot and the bright orange EPDM granule within the product also complements the company's striking corporate colour scheme.

This area of the gym is used for activities such as deadlifting, squatting and bench work using dumb-bells up to 50kg.

Products

SPORTEC® Style Tile – Color-15 Bright Orange

Non-slip, resilient flooring

Functional training can involve dynamic movements utilising multifunctional rigs, kettle-bells, slam balls, battle ropes, sleds and even tractor tyres. It's important that floor finishes in these training zones provide adequate protection to the structural slab as well as sufficient grip and cushioning underfoot. TVS products are made from high quality recycled rubber mixed with EPDM colour granules, bound together with a polyurethane elastomer. Products are comfortable to walk on and absorb impact and room noise. Materials are available with Cfl-s1 fire certification (tested according to EN 13501-1) and benefit from a VOC emissions rating of A+. TVS floor finishes are highly resistant to mechanical wear, easy to clean and water-repellent. Available in a wide range of colours, TVS floor finishes provide an aesthetically pleasing and economical solution for a range of gym activities.

Key features and benefits

- Fine grain recycled rubber mixed with EPDM colour granules.
- Shock pads available in a variety of thicknesses & density.
- Custom line markings are easily applied, creating a unique training space.
- Materials are available in a range of standard & custom colour schemes.
- RZ-Turbo sealant provides additional protection to the surface.

SPORTEC® Color

SPORTEC® Color is a high quality, rugged, easy to clean and water-repellent rubber floor covering for use in sport and leisure facilities, retail outlets, exhibition halls, equipment storage rooms and ice-sports stadiums. Thanks to its excellent durability and high resistance to mechanical wear, SPORTEC® Color is the all-round solution for rubber flooring. Customers can choose from a wide range of colours and hues to create an activity area that complements the colour scheme of the room. Available in various thicknesses this is an impact-resistant, elastic floor covering that is simple to install.

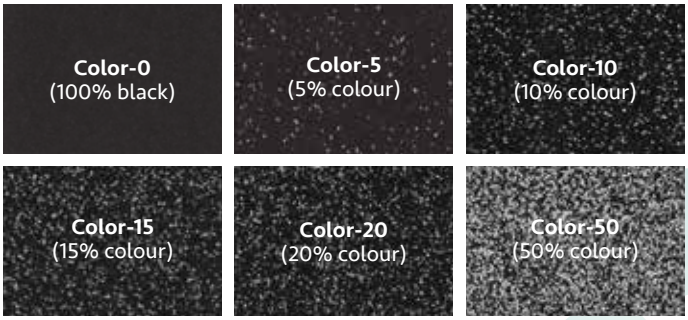
Technical data

Material	fine grain recycled rubber tyre granules (black) with 5, 10, 15, 20 or 50% EPDM colour granules bound together with a polyurethane elastomer.
Colours	**Color-5, 10:** black with blue, red, green, grey, bright yellow or blue/grey*. **Color-20:** black with blue, red, green, grey or blue/grey*. **Color-15:** black with blue, dark-grey, red, green, grey, blue/grey, bright yellow or bright orange* **Color-50:** black with blue, red, grey*. **other colours are available on request.*
Thickness	**Color-0, 5, 10, 20, 50:** 6mm* (± 0.3mm). **Color-15:** 4, 5, 6, 8, 10, 12mm (± 0.3mm).
Roll width	Color-5, 10, 20 and 50 are 1.5m wide. Color-15 is available in 1.25m wide rolls.
Roll length	length (m) ± 1.5% / thickness (mm) 30m at 4mm thickness. 24m at 5mm thickness. 20m at 6mm thickness. 15m at 8mm thickness. 10m or 12m at 10mm thickness. 10m at 12mm thickness.

SPORTEC® COLOR – COLOURS AND HUES

SPORTEC® COLOR – COLOUR DENSITY

The percentage of colour EPDM granules within the product



SPORTEC® Purcolor

SPORTEC® Purcolor is the ideal rubber floor covering for functional training zones. Thanks to its strong colours, it can be perfectly matched to the interior design of the facility, while offering effective impact and room noise reduction and improved comfort underfoot. SPORTEC® Purcolor is simple to install and is available in red, light grey, medium grey and dark grey.

Technical data

Material	85% EPDM colour granules mixed with 15% black EPDM, bound together with a polyurethane elastomer.
Colours	light grey, medium grey, dark grey, red and blue *(other colours are available on request)*.
Thickness	4, 6, 8, 10mm (± 0.3mm), other thicknesses are available on request.
Roll width	1.25m (± 1.5%).
Roll length	length (m) ± 1.5% / thickness (mm) 30m at 4mm thickness. 20m at 6mm thickness. 15m at 8mm thickness.

SPORTEC® PURCOLOR – COLOURS AND HUES

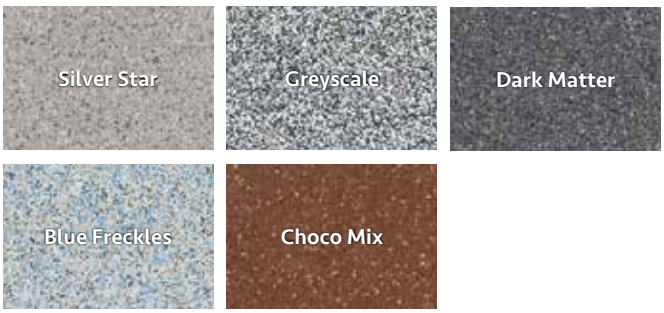
SPORTEC® Variant

SPORTEC® Variant floor coverings are available in virtually unlimited colour combinations from the EPDM colour range. It is the ideal flooring for sport and leisure facilities. The wide colour range ensures that SPORTEC® Variant flooring can happily harmonise with any new or existing interior design scheme, while offering simple installation, impact resistance, noise limitation and improved underfoot comfort.

Technical data

Material	free choice of colour combinations from the EPDM colour range, with or without black recycled rubber granules, mixed together with a PU-elastomer.
Colours	as chosen by customers, plus our standard colour mixes including variant greyscale, variant blue freckles, variant choco-mix, variant silver star and variant dark matter.
Thickness	4 or 6mm (± 0.3mm) however other thicknesses are available on request.
Roll width	1.25m wide.
Roll length	length (m) ± 1.5% / thickness (mm) 30m at 4mm thickness. 20m at 6mm thickness.

SPORTEC® VARIANT – COLOURS AND HUES

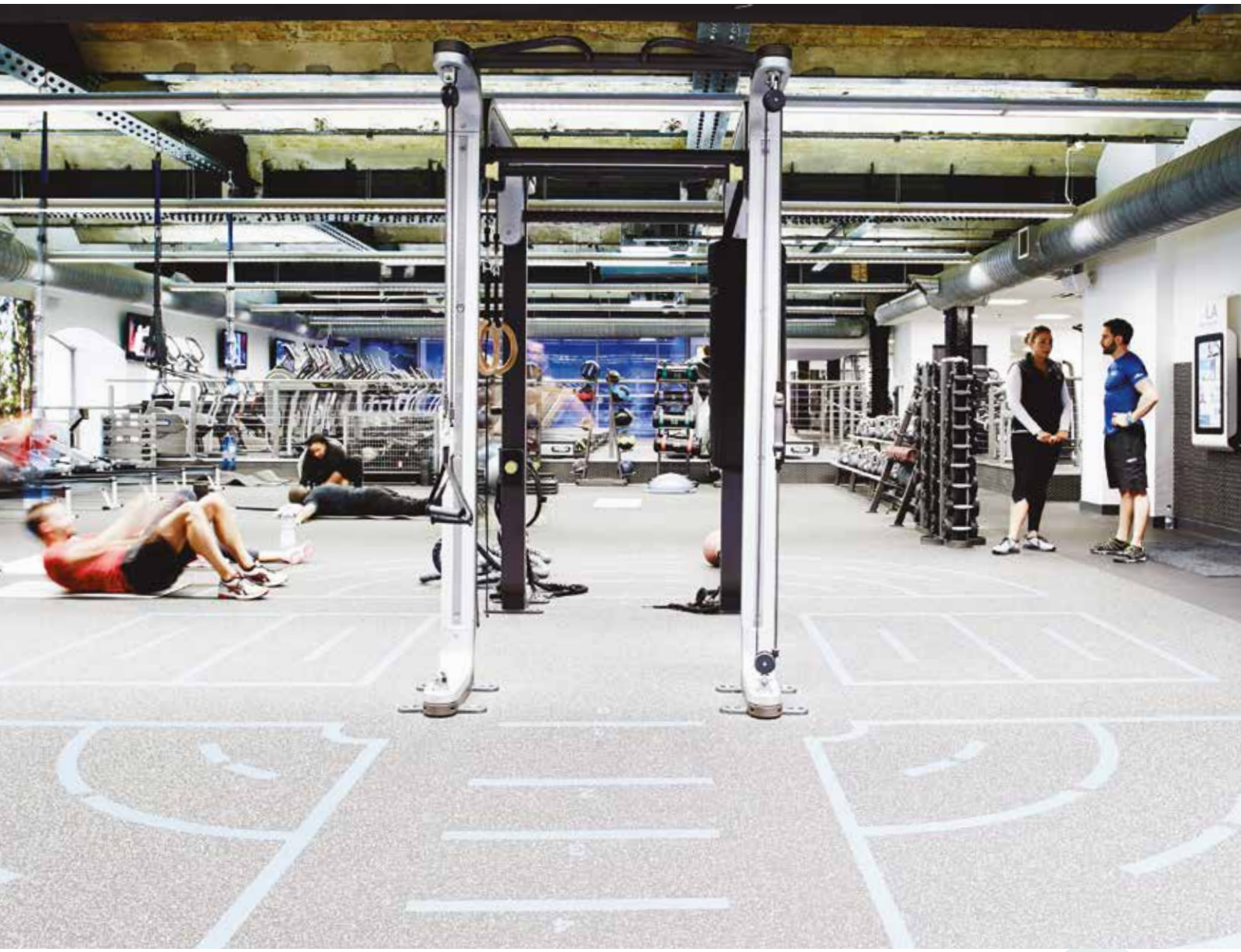


Creating unique training spaces that won't fade

Utilising our 2-part PU Sports Paint we offer a fully bespoke line marking service for sport and fitness surfaces. These markings define areas of play or physical activity and are a great way of differentiating your gym from your competitors. For example, company logos can easily be applied to our sports and fitness surfaces, creating a visually striking focal point in your sports hall or gym.

Additionally, sprint tracks, agility ladders and speed circles will provide a valuable training tool for both your gym instructors and exercisers alike. The markings are permanently bonded and will never fade, ensuring your gym flooring looks great year after year.

To reflect your club branding we have a wide range of colours available and with the right design our expertise can help you create a truly unique training space.



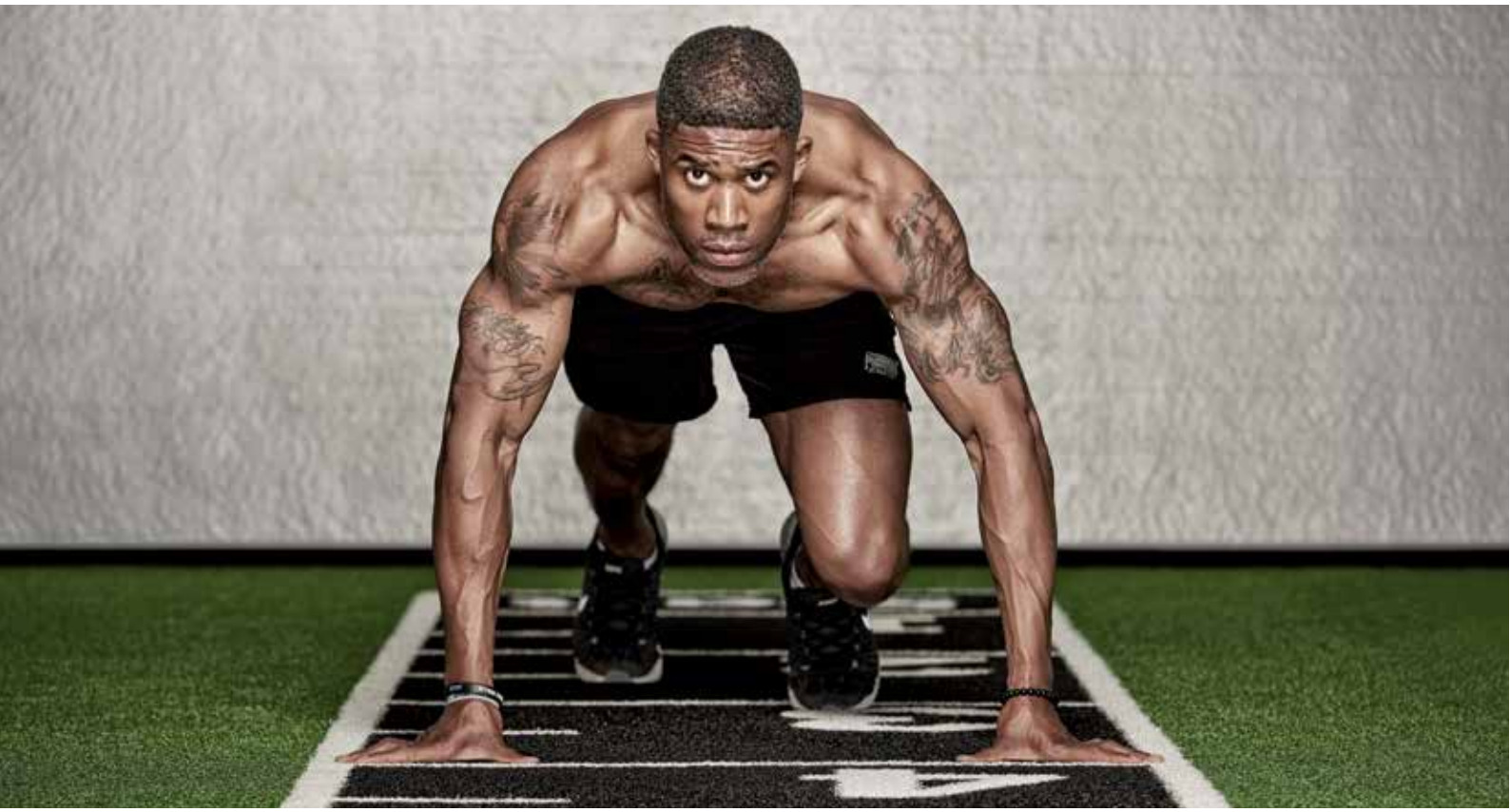
Maximising functionality within your fitness space

Sled work involves pushing and pulling a weighted sled over a set distance. This distance is usually no less than 10m. It is important that this training surface is extremely resistant to wear and provides exercisers with good grip underfoot.

A sled lane is often a feature within a multi-use gym and the design is easily customized by cutting in lines, numbers, letters and even a company logo. For plyometric activities, the sled lane can be bonded to a high performing shock pad. Materials suitable for this type of activity include:

- Needle-punched polypropylene sports surface available in a range of bright colours.
- Elastic layers for additional shock-absorbing properties.
- Customised lines, numbers and letters.

Available Colours

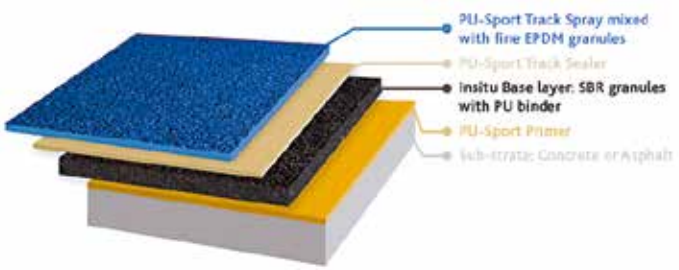


High quality sprint tracks for competitions, fitness and recreational purposes

TVS Track SW1200 with EPDM granules

Key features & benefits

- Spike resistant.
- Shock-absorbing.
- Produced in accordance with IAAF and EN 14877 standards.
- Available in a wide range of colours.
- Easy to install.
- Fast curing and durable.

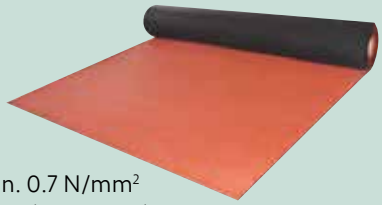


Product Focus: SPORTEC® Fusion Classic

SPORTEC® Fusion Classic is a fine grain EPDM sports flooring bonded to a shock-absorbing elastic layer.

This flooring provides a cushioned floor covering and reduces impact forces on joints – the risk of injury is reduced and it is therefore particularly recommended for indoor sports facilities in schools and leisure centres.

The elastic layer and the top layer are delivered as pre-fabricated rubber rolls, simplifying the installation process because only one roll needs to be glued to the substrate. The surface is easy to maintain and can be sealed with our 2-part polyurethane compound – RZ Turbo Protect.



Technical Data

Roll width: 1.25m
Roll length: 15.0m
Thickness: 8mm
Tensile strength: min. 0.7 N/mm^2
Anti-slip property: R9 (DIN 55130)

Timber, vinyl, rubber and polyurethane surfaces for group exercise activities

We supply a range of high quality performance surfaces for all types of group training activities, including circuit training, dance, indoor cycling, Les Mills classes, Zumba, Insanity, Pilates and Yoga. Comfort, performance and safety are key priorities when selecting technical surfaces and TVS Group, as a solution provider, will make recommendations, giving honest advice, helping you select the best possible solution for your group fitness areas and studios. Offering shock-absorbing resilient floor coverings, aesthetically pleasing vinyl in a range of vibrant colours, sprung timber systems, as well as high performing synthetic turf options, our solutions can be easily tailored to suit your budgetary, facility and performance requirements.

We have surfacing solutions for:

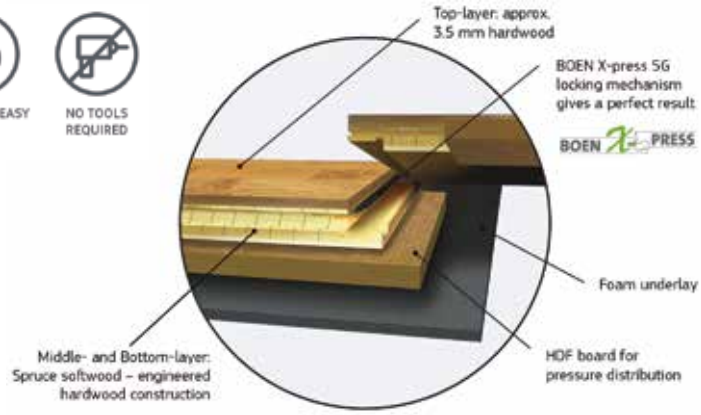
- Circuit training
- Les Mills classes
- Pilates
- Dance
- Zumba
- Yoga
- Indoor cycling
- Insanity
- Boxing

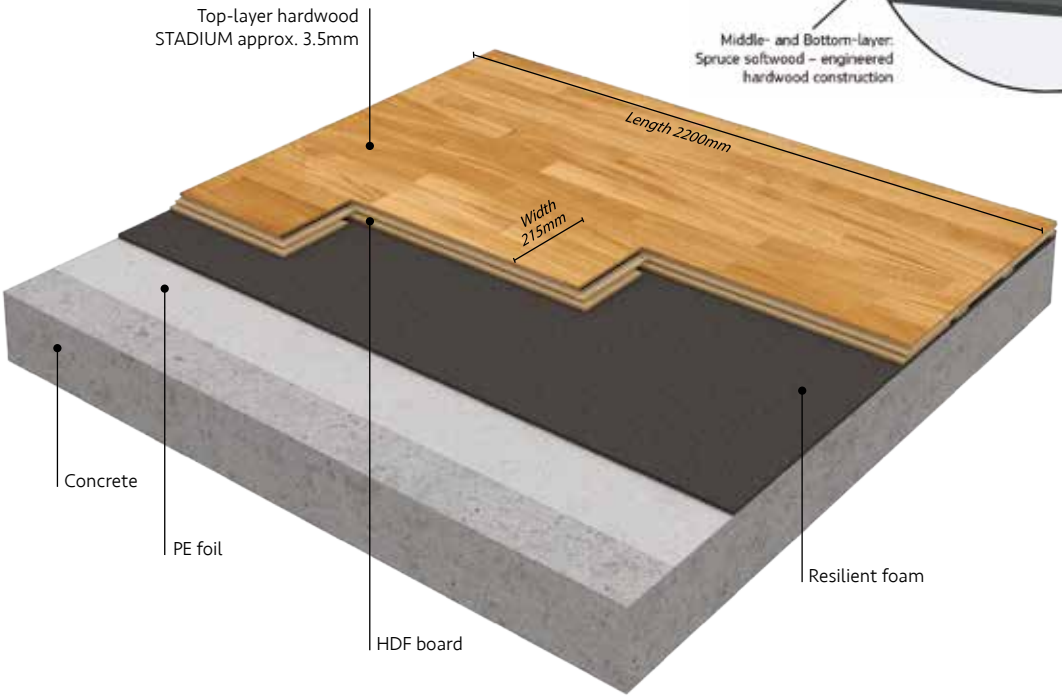
For more information about our products speak with a member of our technical sales team.

TVS Actiflex Sprung Floor

STADIUM

Building height: 29mm
Board: 14 x 215 x 2200mm
Format: 3-strip
Maximum floor size: 600m²





Package overview

Pack size: 4 boards = 1.89m² (19.2kg) **Pallet size:** 36 bundles = 68.04m² (691.2kg)

Wood species/ grading

Ash Sport*

Maple Can. Sport*

Beech Sport*

Oak Sport*

*FSC™ Mix 70%

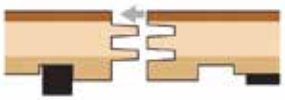
PERFORMANCE ACCORDING TO EN14904		SHOCK ABSORPTION		DEFORMATION		FRICTION	BALL BOUNCE	ROLLING LOAD
		TYPE 3: ≥ 40% ≤ 55%	TYPE 4: ≥ 55% ≤ 75%	TYPE 3: ≥ 1.8mm ≤ 3.5mm	TYPE 4: ≥ 2.3mm ≤ 5.0mm	80–110	≥ 90%	Min. 1500N
TVS Actiflex	STADIUM		61%		3.8 mm	86	95%	OK

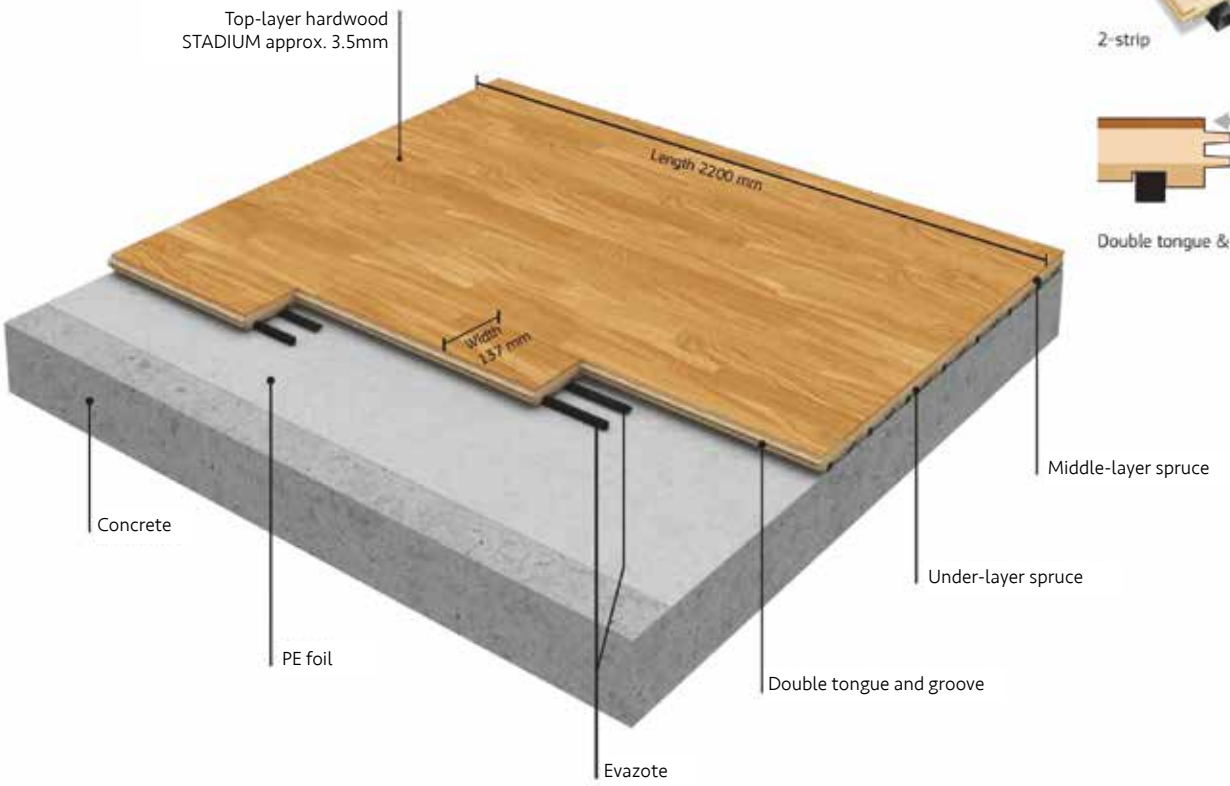
TVS Actiflex Stadium Construction Details		Height
TVS Actiflex Stadium • Hardwood Top-Layer 3.5mm • Middle layer and bottom layer spruce • HDF board glued to bottom	Actiflex size: 21 x 215 x 2200mm Actiflex Stadium board: 14 x 215 x 2200mm + HDF board 7 mm	21mm
Resilient foam	8 x 1500 x 2000mm	8mm
Perimeter Strips	15 x 100 x 1800mm	✓
PE Foil (ordered separately)	Special requirement for new buildings: 2 layers of 0.2mm. It is not a moisture barrier, but gives the floor extra protection.	0.4mm
Construction height		29mm

TVS Flex for Studios

STADIUM

Building height: 28mm
Board: 28 x 137 x 2200mm
Format: 2-strip



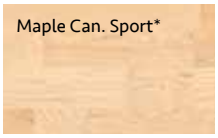


Package overview

Pack size: 6 boards = 1.81m² (21kg) **Pallet size:** 49 packs = 88.69m² (1029kg)
Supplied: TVS adhesive and perimeter support battens.
We reserve the right to deliver up to 10 % in lengths from 70cm to 150cm.

Wood species/ grading

Ash Sport*


Maple Can. Sport*

Beech Sport*

Oak Sport*

*FSC™ Mix 70%

PERFORMANCE ACCORDING TO EN14904		SHOCK ABSORPTION		DEFORMATION		FRICTION	BALL BOUNCE	ROLLING LOAD
		TYPE 3: ≥ 40% ≤ 55%	TYPE 4: ≥ 55% ≤ 75%	TYPE 3: ≥ 1.8mm ≤ 3.5mm	TYPE 4: ≥ 2.3mm ≤ 5.0mm	80–110	≥ 90%	Min. 1500N
TVS Flex	STADIUM		62%		3.4 mm	86	97%	OK

TVS Flex Stadium Construction Details *(from the top to the edge of concrete/subfloor)*		Height
TVS Flex Stadium • Hardwood Top-Layer 3.5mm • Middle layer and bottom layer • 2 strips of Evazote 50 are glued into the board	TVS Flex size: 28 x 137 x 2200mm TVS Flex Stadium board 23 mm + Evazote 5mm (Board dimensions: 23 x 137 x 2200mm + Evazote dimensions: 10 x 10mm and 3.5 x 20mm)	21mm
Perimeter Strips	4.4 x 22 x 1500mm	✓
PE Foil (ordered separately)	Special requirement for new buildings: 2 layers of 0.2mm. It is not a moisture barrier, but gives the floor extra protection.	0.4mm
Construction height		28mm

SPORTEC® Puzzle 2.0

Robust and temporary solution for gyms, retail outlets and exhibition halls

Technical data: SPORTEC® Puzzle Color

Material	SPORTEC® Color: fine grained recycled rubber tyre granules (black) with 15% EPDM colour granules bound together with a PU elastomer.
Colours	black, black-grey, black-blue, black-grey-blue, black-red, black-bright orange, black-bright yellow, black-green, black-lilac, black-dark grey.
Length / width	1030mm x 1030mm (+/- 1.5%). Covering dimensions: 1000mm x 1000mm (+/- 1.5%).
Thickness	6, 8, 10mm (+/- 0.3mm)
Density	ca. 1,050 kg/m³
Fire Resistance	Efl (DIN EN 13501-1)

Technical data: SPORTEC® Puzzle Purcolor

Material	SPORTEC® Purcolor: 100% EPDM granules bound together with a PU elastomer.
Colours	light grey, mid-grey, dark grey, red, blue.
Length / width	1030mm x 1030mm (+/- 1.5%). Covering dimensions: 1000mm x 1000mm (+/- 1.5%).
Thickness	6, 8, 10mm (+/- 0.3mm)
Density	ca. 1,250 kg/m³
Fire Resistance	Cfl-s1 (DIN EN 13501-1)

SPORTEC® Team Cup-X

Shock absorbing elastic underlays

Our elastic underlays provide additional comfort for exercisers and added protection to the subfloor. This elastic underlay can be installed under all SPORTEC® floor coverings and is especially suited under the SPORTEC® Style Tiles in weightlifting areas when sound and vibration insulation is necessary. For more information about our acoustic solutions specifically for gyms call our technical sales department on 01706 260 220.

Technical data

Material	a mixture of black recycled rubber granules bonded together with polyurethane elastomer.
Roll width	1250mm (+/- 1.5%)
Thickness	8, 10, 12 and 15 (+/- 0.3mm)
Roll length	15m at 8mm thickness. 10m at 10mm thickness. 10m at 12mm thickness. 10m at 15mm thickness.
Tensile strength	min. 0.2 N/mm^2 (EN ISO 1798)
Elongation at break	min. 35% (EN ISO 1798)

Sealers, Cleaners & Glues

Sealing RZ Turbo Protect Zero

RZ Turbo Protect Zero is a solvent-free 2-component sealing finish for extreme long-term protection of elastic artificial flooring. It provides a very elastic and sturdy protection layer, having very high resistance to heavy mechanical wear and chemical attack.

Unique features are:

- Shelf life: 9 months
- Pack-size: 5l + 500ml hardener
- Working Temperature: 15–25°C
- Pot life (20°C): 120 Min. (20°C/60% relat. LF)
- Set to foot traffic (20°C): after approx. overnight drying
- Final strength (20°C): after approx. 7 days

Cleaner RZ Intensive Cleaner

RZ Intensive Cleaner is ideal for removing persistent dirt, cleaning product traces and glue residues on SPORTEC® rubber flooring products.

Unique features are:

- Pack-size: 10l
- Working Temperature: 18–25°C
- Area: 10l: 250m²

Adhesives

TVS VS90 adhesive, is available for gluing rubber flooring to a paved substrate, plywood or latex screed. Available in 15kg tubs with a coverage of up to approximately 45m².

TVS-200 2-Part adhesive, is our 2-component polyurethane glue for bonding rubber floor coverings to elastic layers. A 14kg tin provides approximately 12.5m² coverage.

TVS GROUP

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British Assessment Bureau

UKAS MANAGEMENT SYSTEMS 8289

ISO 9001 QUALITY MANAGEMENT

CHAS

APPROVED Constructionline

Revision: 1.2