

Reflex Activity Floor





About Reflex Sports



The mark of responsible forestry
SA-COC-002206
1996 Forest Stewardship Council A.C.

Reflex Sports Ltd are a specialist company dedicated to the design, testing and supply of sports floors within the U.K.

With over 25 years of experience in the flooring industry, Reflex can provide you with guidance, expertise and support to ensure you get the floor you deserve.

Reflex offer a range of solutions that not only meet your aesthetic requirements but can promise to be of the highest quality and tested to the highest industry certifications.

In conjunction with expert manufacturers, Reflex bring you experience, durability, innovation, beauty and design.

Running, bouncing, spinning, twisting and turning is generally good news for your body. But it can also result in sprains and torn ligaments. Shoes play an important part in reducing the strain on knees, ankles and backs. But equally important is choosing the right floor – a floor with the right kind of resilience, yielding and resisting when it should.

Reflex sports floors are specially designed for this. A result of long term research, they combine excellent energy-absorbing qualities with durability and good looks. Reflex floors create an optimal surface for all types of sports.

Reflex Sports are dedicated to sourcing materials from manufacturers with strong environmental policies.

All of our suppliers have PEFC or FSC certification.

We firmly believe that we have a responsibility to provide a sustainable product range.

Our multi-layer sports flooring makes exceptional frugal use of limited natural resources in comparison to solid wood. The use of hardwood is limited to the top layer and recognises that the use of slower growing hardwood below the tongue and groove is a waste of a valuable and limited natural resource.

...even on a solid wood product it is impossible to sand down beyond the tongue and groove.

Reflex Sports are PEFC & FSC certified and can offer chain of custody on our timber products as required.



Guaranteed.... from start to finish

Reflex can provide a total solution for your project.

We design, test, supply and can install our range of sports flooring so we can guarantee you get the complete package. We pride ourselves in offering a total service; with our technical team providing support through the duration of your project.

We tailor our service based on each individual requirement so we can ensure you get the right floor for the right price.



There is more to Activity Floor than meets the eye

Reflex Activity Floor has the absorption material and reinforcements already fitted to the underside of the board, while the patented Woodloc® system provides perfect joints between the boards. The result is an even surface with optimal shock protection, counteracting injuries when running, landing or falling during intense activity.

Reflex's Activity Floor is easy to install. It can be laid directly on any suitable flat sub floor without the time-consuming and complicated construction of floor battens or special fittings. This also enables easy and fast installation on temporary surfaces for competitions, training or displays. Available in Oak, Beech and Maple, the natural beauty of these wood species means that it's aesthetically pleasing too!

A number of studies show that there is a strong relationship between sports injuries and flooring material.

The Activity Floor offers excellent protection in reaction to sudden, powerful movements – such as starting and stopping quickly.

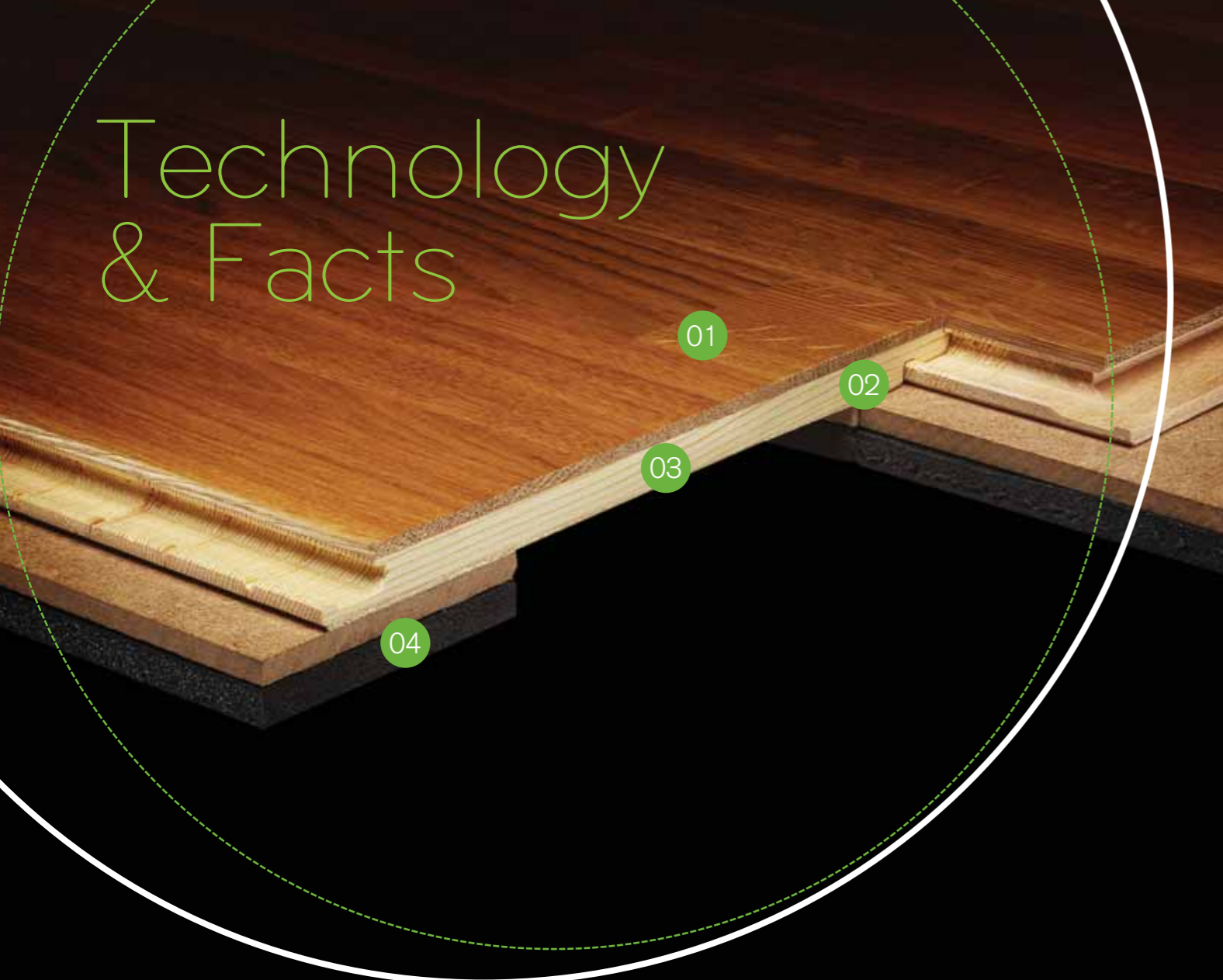
This can significantly reduce the occurrence of sprains and torn ligaments in knees, ankles and backs.



Common injuries on Synthetic Floors

- 01 **Knee** (Sprains and torn ligaments)
- 02 **Ankle** (Sprains and torn ligaments)
- 03 **Back** (Sprains and torn ligaments)

Technology & Facts



01

02

03

04

Activity Floor constructed for safety & durability

01 Surface

High quality UV-cured polyurethane/acrylic lacquer to withstand wear and tear.

02 Woodloc®

A strong joint is a prerequisite for a long-lasting flexible floor. The Woodloc® joint withstands more than 10kN/m in tensile strength.

03 Middle Layer

An interlocked board construction designed to minimise the wood's natural movement.

04 Energy Absorption

Several layers of polyether with progressive hardness for correct energy absorption relative to loading.

Two Innovations

All-in-one

Activity Floor features a unique "all-in-one" construction. Unlike many other sports floors designed for sports and activities, the absorption material and reinforcement are already fitted to the back of the board. This means that the floor - again unlike many other sports floors - can be laid directly on the sub-floor without the time consuming construction of floor battens or special fittings.

The Woodloc®

Activity Floor is easy to install, thanks to the patented glueless Woodloc® joint. Woodloc® effectively locks the boards together, creating a perfectly fitted floor withstanding both heavy wear and dirt. The glueless installation makes it possible to lift up the floor and install it elsewhere at a later stage. Woodloc®, invented by Kährs, is the strongest joint on the market.

Reflex Activity Floor is the result of many years of research, perfecting each detail of its construction. The overall aim was to create a floor that benefits both users and owners.

- 01 Total thickness 30mm, giving very low construction height.
- 02 Laid without floor battens directly onto a stable and even subfloor.
- 03 Wear layer 3.6mm, can be sanded several times.
- 04 Available in Oak, Beech and Maple.
- 05 Overlapping pressure distribution with HDF board across joints on long sides and ends.
- 06 Resilient expanded foam for energy absorption and springing.
- 07 Woodloc® joint locks the boards together without glue and gives perfect results.



Product Specification

Length	2423mm
Width	200mm
M2/board	0.485m2
M2/pack	1.94m2
M2/pallet	62.08m2
Kg/board	4.55kg
Boards/pack	4
Packs/pallet	32
Weight/pack	23kg
Weight/pallet	760kg



More than just approved in theory and practice

Tests carried out in accordance with EN testing, by the Norwegian Building Research Institute, show that Reflex / Kährs Activity Floor excels in all categories, such as shock absorption, deformation, ball bounce, rolling load and friction. Reflex / Kährs Activity Floor has been installed in dance studios, aerobic studios, gymnasiums and sports halls and has received much praise from athletes.

It is an excellent choice for a low floor height, multipurpose sports flooring surface.

Information about Reflex Activity Floor Below



DIN 18032 Part 2 Test

Energy Absorption	Deformation (mm)	Ball Bounce (%)	Rolling Load	Friction Coefficient
Standard >53	Standard >2.3	Standard >90	Standard >1500 N	Standard 0.4/Max 0.6
59	3.8	94	OK - No Damage	0.43

EN14904 Test - A4 Category

Energy Absorption	Deformation (mm)	Ball Bounce (%)	Rolling Load	Friction Coefficient
Standard 55-75	Standard 2.3 - 5.0	Standard >90	Standard >1500 N	Standard 80-110
61	4.1	94	OK - No Damage	98

Why go anywhere else for the perfect floor?

Low floor height

Reflex Activity Flooring

Batten systems

Reflex Multisport Flooring

Reflex Sports Cradle

Specialist Dance systems

Reflex Spring Dance flooring

Synthetic surfaces

Reflex PU

Sports Vinyl

Accessories

Sports Trims

Access Lids

Lacquers

Temporary line tapes

Call us now to receive our FREE architects and
specifiers pack

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