

Kährs®

QUALITY IN WOOD SINCE 1857



**ACTIVITY
FLOOR**

KÄHRS ACTIVITY FLOOR A FLOOR THAT IS KIND TO YOUR JOINTS.

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, that yields and resists when it should.

Kährs Activity Floor is a wood floor specially designed for this. A result of long-term research, it combines excellent energy-absorbing qualities with durability and good looks. Kährs Activity Floor creates an optimal surface for all types of sports and the patented construction promotes fast, simple installation.

THERE IS MORE TO THE ACTIVITY FLOOR THAN MEETS THE EYE.

In Kährs Activity Floor the absorption material and reinforcements are 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.

KÄHRS ACTIVITY FLOOR IS EASY TO INSTALL.

It can be laid directly onto 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, Maple and Oak Mocha, the natural beauty of these wood species means that it's aesthetically pleasing too!



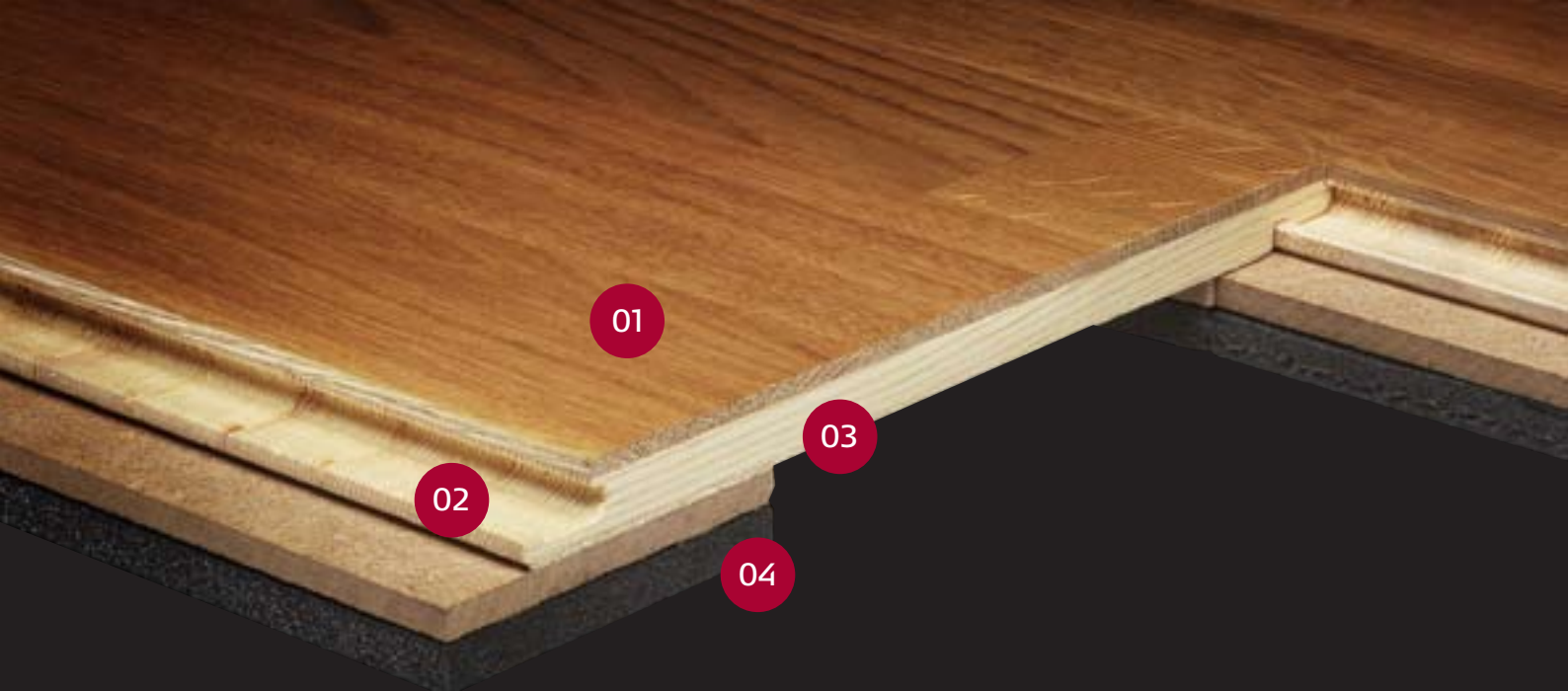
Ankle
(Sprains and torn ligaments)

Back
(Sprains and torn ligaments)

Knee
(Sprains and torn ligaments)

COMMON INJURIES ON SYNTHETIC FLOORS

A number of studies show that there is a strong relationship between sports injuries and flooring material. With synthetic floors there is a 70 per cent increase in the incidence of injuries due to friction. A synthetic floor does not give as much in reaction to sudden, powerful movements – such as starting and stopping quickly. This can result in sprains and torn ligaments in knees, ankles and backs.



KÄHRS ACTIVITY FLOOR CONSTRUCTED FOR SAFETY AND 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 resilient floor. The Woodloc® joint withstands more than 10 kN/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

Kährs Activity Floor features a unique "all-in-one" construction. Unlike other wood 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 other sports floors – can be laid directly onto the sub-floor without the time consuming construction of floor battens or special fittings.

WOODLOC® 5S

– THE NEW SUPER JOINT FOR FASTER INSTALLATION AND AN EVEN STRONGER FLOOR

Kährs was the first wood floor manufacturer to introduce a mechanical glueless joint system. In 1999, we launched

the ingenious Woodloc® system, which revolutionized the wood flooring market. The Woodloc® joint system allowed boards, for the first time, to be mechanically locked together, without the use of glue. In addition to promoting a perfect installation and eliminating gapping, it also made laying quick and simple. As the installation is glueless, boards can be lifted, at any time, and moved elsewhere. A perfect installation is also important in terms of durability. And, not least, a perfect installation – without gaps – prevents dirt and grime from becoming trapped between the boards, making maintenance a lot easier.

Now, we're introducing the next generation Woodloc® joint system – Woodloc® 5s. The new joint makes installation even faster, while producing an even stronger floor.



THE NEW WOODLOC® 5S
50% FASTER INSTALLATION COMPARED
TO A TRADITIONAL SPORTS FLOOR



01 The traditional way...



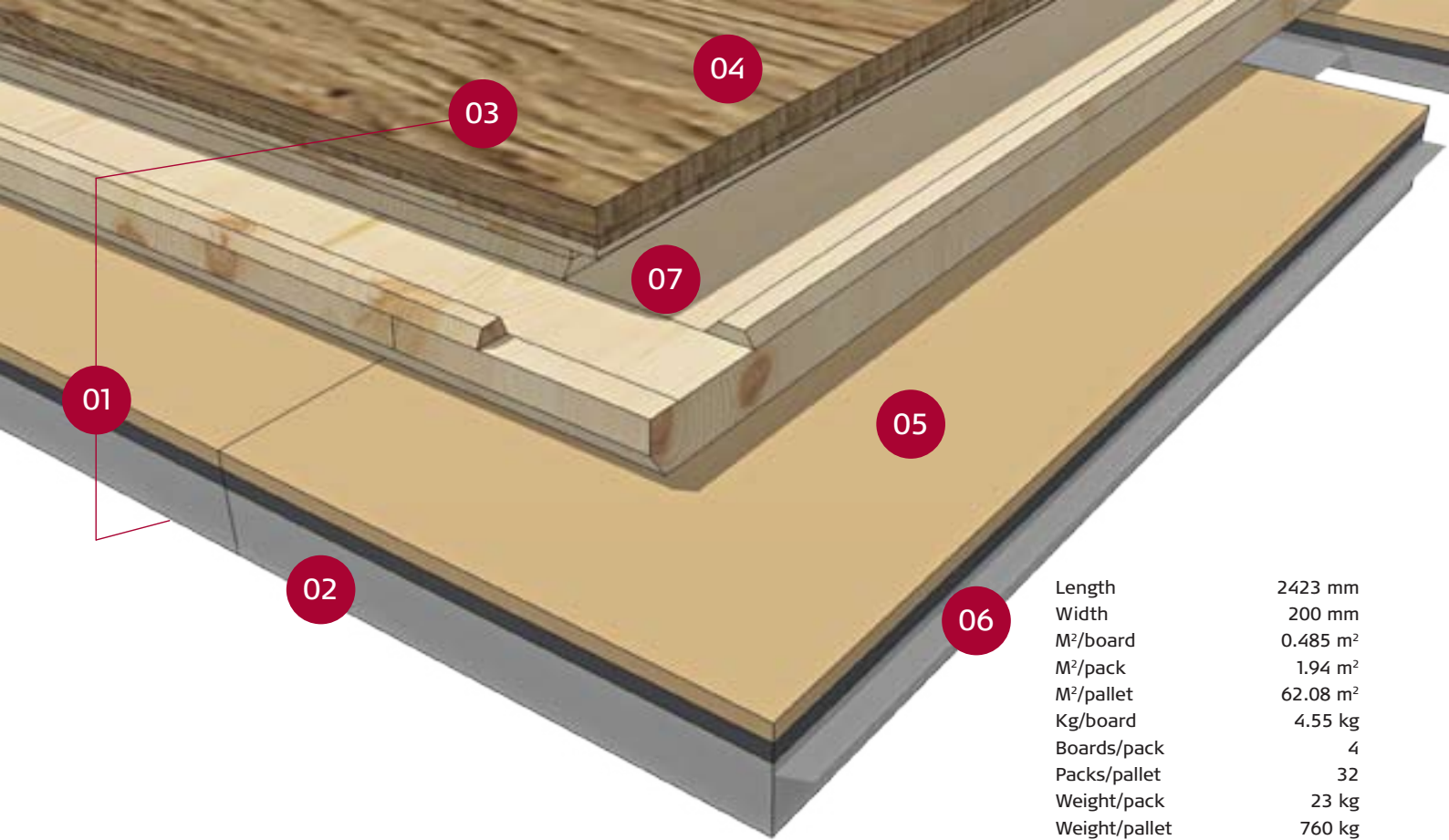
02 ...The easy, Kährs
Activity Floor way.

TECHNOLOGY AND FACTS

Kährs 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.

Kährs Activity Floor is FSC certified.





Length	2423 mm
Width	200 mm
M ² /board	0.485 m ²
M ² /pack	1.94 m ²
M ² /pallet	62.08 m ²
Kg/board	4.55 kg
Boards/pack	4
Packs/pallet	32
Weight/pack	23 kg
Weight/pallet	760 kg

- 01** Total thickness 30 mm, giving very low construction height.
- 02** Laid without floor battens directly onto a stable and even subfloor.
- 03** Wear layer 3.6 mm, can be sanded several times.
- 04** Available in Oak, Beech, Maple and Oak Mocha.
- 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® 5s joint locks the boards together without glue and gives perfect results.

PRODUCTS

Oak Activity Floor
303N19EK50KW 0

Beech Activity Floor
303N55BK50KW 0

Maple Activity Floor
303N15AP50KW 0

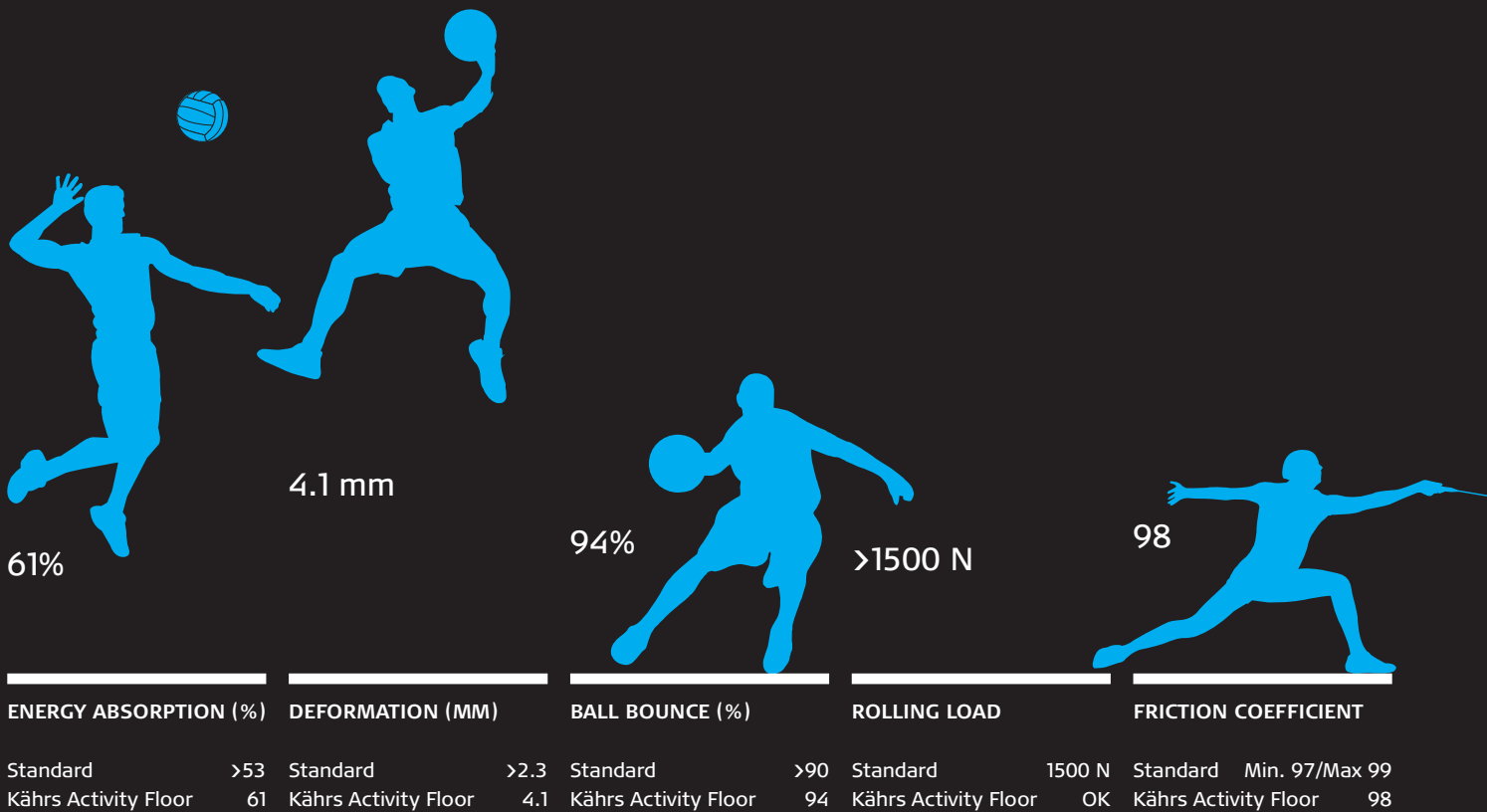
Oak Mocha Activity Floor
303N19EK51KW 0



MORE THAN JUST APPROVED IN THEORY AND PRACTICE

Tests carried out in accordance with NS-EN 14904 – Type 4 testing, by the Norwegian Building Research Institute, show that Kährs Activity Floor excels in all categories, such as energy absorption, deformation, ball bounce, rolling load and friction. Kährs Activity Floor has been installed in dance studios, aerobic studios, gymnasiums and sports halls. It was also chosen for the 2004 European Aerobics Championships in Rotterdam and received much praise from athletes. Triple world champion, Helena Nahafahik-Cardoso, who tested Kährs Activity Floor during the Aerobic World Championships, commented that it provided, "An ideal surface that has everything a good floor needs for competition and training."

INFORMATION ABOUT KÄHR'S ACTIVITY FLOOR (NS-EN 14904 – Type 4 TEST)



REFERENCES

The safety aspect – combined with durability and easy installation – were some of the benefits referred to when owners of sports halls, gymnasiums and dance studios, all over the world, explained why they decided to install Kährs Activity Floor. To date, we have installed the Activity Floor in 48 countries, from America to China. It has been tried and approved by dancers, aerobics enthusiasts, boxers, basketball players and gymnasts – and praised by sports hall owners for its fast and accurate installation.





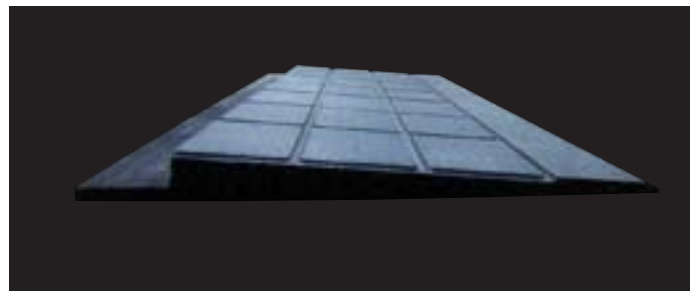
REFERENCES

ACCESSORIES

City	Location	Type	Size
Hägersten, Sweden	Telefonfabriken	Gymnastics/Aerobics	147 m ²
Lidingö, Sweden	Högsätra School	Dance	114 m ²
Malmö, Sweden	Centrum För Hälsa	Aerobics	400 m ²
Nacka, Sweden	Ektorps Gym	Boxing	113 m ²
Nacka, Sweden	Nacka Ju-jitsu Klubb	Jujitsu	260 m ²
Norrköping, Sweden	Hälsostudion	Aerobics	131 m ²
Sollentuna, Sweden	Pfizer	Keep-fit room	225 m ²
Stockholm, Sweden	Royal Institute of Technology, Swedish National Defence College	Gymnastics	170 m ²
Stockholm, Sweden	Riksdagshuset	Floorball	141 m ²
Uppsala, Sweden	Fyrishov Sportanläggning	Dance/Gymnastics	550 m ²
Vällingby, Sweden	Vinsta Dansstudio	Dance	66 m ²
Oulu, Finland	S.A.T.S. Group	Aerobics	200 m ²
Drammen, Norway	Akropolis Treningscenter	Dance Studio	108 m ²
Trondheim, Norway	Nypvang skole	Gymnastics	241 m ²
Lapoutroie, France		Judo	230 m ²
Strasbourg-Robertsau, France		Dance	200 m ²
Frankfurt, Germany	Sporthalle Eintracht Frankfurt	Youth Football Promotion	350 m ²
Hamburg, Germany	Physiotherapeutische Praxis	Physiotherapy	57 m ²
Trento, Italy	Sports Hall	Various activities	848 m ²
Rotterdam, Netherlands	World Championships in Aerobics 2004		300 m ²
Frederick, MD, USA	24 - 7 Dance Studio	Dance	80 m ²
Lake Mary, FL, USA	Fusion Fitness	Pilates/Personal Training studio	30 m ²
Parker, CO, USA	Colorado School of Dance	Dance	86 m ²
Cheyenne, WY, USA	Fitness One	Fitness	87 m ²
Granda Hills, CA, USA	Gotta Dance Studio	Dance	299 m ²
Lafayette, CO, USA	Sheree Reed Reverance Academy of Dance	Dance	186 m ²
New York, NY, USA	Sony Corporation	Fitness	56 m ²
Chester, NJ, USA	The Art of Dance	Dance	183 m ²



Activity Floor Solid finishing profile
100 x 40 mm, length 2400 mm. Oak, Beech, Maple and Oak Mocha



Activity Floor reducer
310 x 29 mm, length 920 mm. Recycled rubber, black

BEAUTY WITH A CONSCIENCE

Wood is a very environmentally-friendly material. And choosing a wood floor, from Kährs, is a smart green choice. Kährs is one of the oldest manufacturers of wood flooring. It is also one of the most innovative. Many of our innovations derive from our ambition to contribute to a better environment, like the launch of the multi-layer wood floor in 1941.

All man-made products affect the environment. To counteract these effects, we have adopted an ecological approach that permeates everything we do. The wood we use is almost entirely sourced from Scandinavia and Europe, where new growth exceeds that which is harvested. And, in 1984, Kährs was the first manufacturer to boast an entirely solvent-free surface treatment process.

Our multi-layer construction allows us to take full advantage of each log, using fewer resources than in solid floor production. This, and other initiatives, earned Kährs ISO14001 environmental management certification nearly a decade ago. It's this level of dedication that allows us to create and produce floors that are not only beautiful but also contribute to the well-being of generations to come. We call it Beauty with a Conscience.

Today, there are Kährs floors in a wide range of wood species and styles. But regardless of looks, they each fulfil ALL of the demands you should make if you want your new floor to contribute to a better environment.

www.kahrs.com



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