

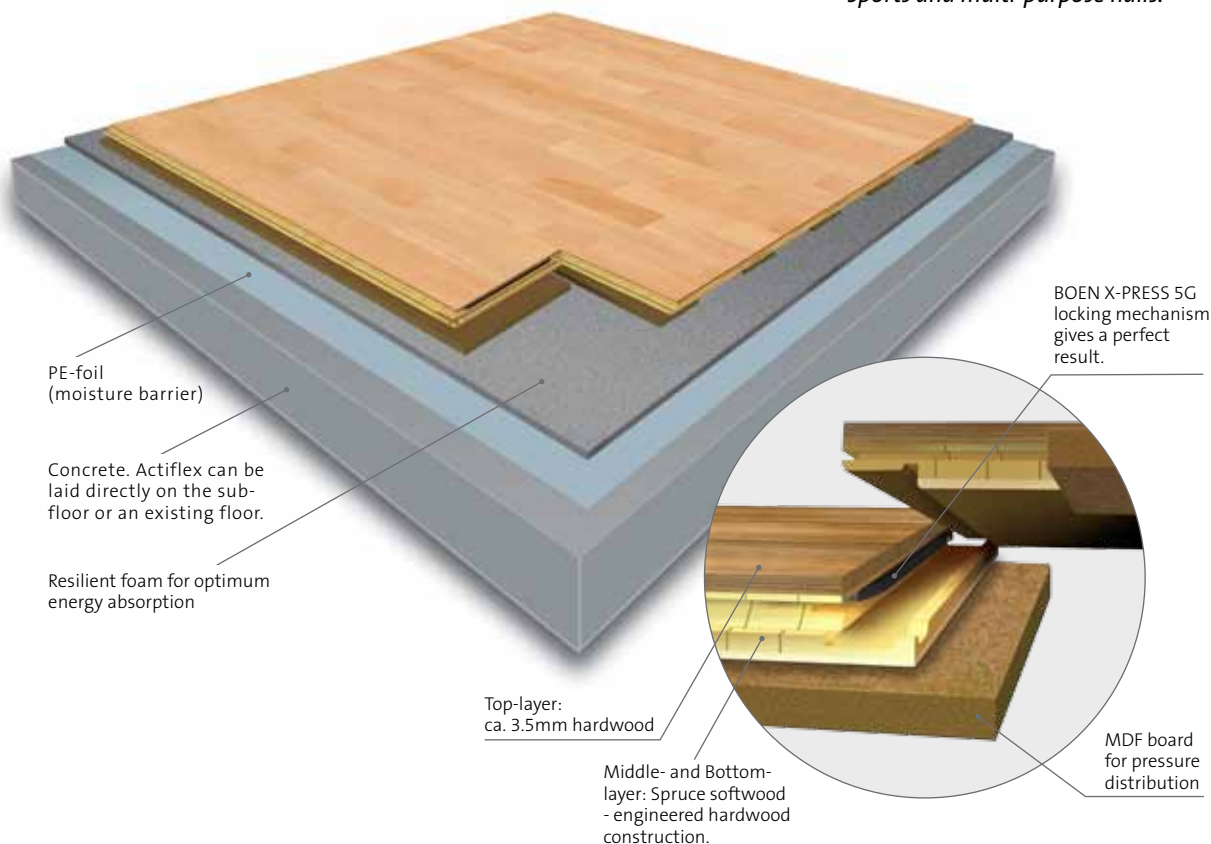
Actiflex Stadium

Area-elastic sports floor



**BOEN
SPORT**

Usage:
Sports and multi-purpose halls.



- part of the game

PERFORMANCE ACCORDING TO EN14904	SHOCK ABSORPTION ¹⁾	DEFOR- MATION ²⁾	FRICTION ³⁾	BALL BOUNCE ⁴⁾	ROLLING LOAD ⁵⁾
	Type 4: ≥ 55 % ≤ 75 %	Type 4: ≥ 2.3mm ≤ 5mm	80-110%	≥ 90%	Min. 1500N

Actiflex	STADIUM	61%	3.5mm	85%	93%	>1500N
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Tests carried out by ISA Sport Nordic, Norway.

¹ The ability of the sports floor to absorb pressure. EN 14904 divides into two groups of area-elastic floors.

² A given test-load is dropped from a given height. The vertical deformation shall not exceed 3,5mm for Type 3 floors and 5mm for Type 4 area-elastic sports floors.

³ Adapted friction shall provide the athlete from uncontrolled sliding. This requirement is a compromise adjusted to several sports. Low friction co-efficiency = slippery floor. NBI Test carried out with BonaSportive Finish.

⁴ Ball bounce indicates how high a basketball rebounds on an areaelastic floor when dropped from a given height (concrete=100%).

⁵ Resistance to rolling loads (e.g. heavy transporters, portable goals, mobile grandstands, etc.) shall be minimum 1500 N.

Actiflex is an area elastic sports floor where the boards are installed on top of a shock absorption foam. It can be installed on an even, sound and self supporting subfloor or an existing floor giving a finished floor height of 29mm. The BOEN X-PRESS locking technology ensures a fast and secure installation due to the use of a flexible profile in the short end joint of the board. When pressing the board down into position the flexible profile locks into place in a single movement with a positive click. The 5G technology used for the BOEN X-PRESS is the most advanced type of vertical locking system on the market.



Authority

Boen Actiflex Stadium has been fully tested to the following standard: New European EN14904: 2006 Type A4. It is therefore designed to comply with all requirements laid down by building regulations and British codes of practice and all acknowledged internationally recognised criteria for sports floors.

Appearance

The overall appearance is of high quality hardwood pre-finished strip floor. A variety of hardwood species are available in a single grade. Those normally specified are Oak, Beech, Canadian Maple and Ash. All hardwood used is taken from managed sustainable sources.

Board Dimensions

14mm x 209mm x 2200mm
4 boards per pack (1.84m²)
Construction height: 29mm

Weight

The average weight of the system is approximately 10.4Kg/m²

Composition & Manufacture

Each Pre-finish Boen X-Press board comprises 3.5mm wear layer with 8.8mm spruce and 1.7mm pine spruce balancing layer. The understructure comprises of a 7mm HDF which is delivered pre assembled to the back of the X-Press board. An 8mm Resilient Foam Roll is rolled out over the subfloor or existing floor prior to installation of the X-Press board. An expansion gap is left at the perimeter of the floor to allow for changes in temperature and humidity.

Performance-Strength

In accordance with BS 6399: Part 1 1996, the floor, when using 14mm Actiflex Stadium will safely support distributed loads of 1500N and is appropriate for general purpose sports and similar multi-use halls. Floors are normally designed to meet specific installation requirements and where special considerations, such as mobile tiered seating are required contact Boen Sport.

Site Work

The Building should be weather tight; all wet trades completed and affected areas dried out.

Site Conditions

Stabilised air temperature not less than 13°C
Moisture content of walls not more than 8%
Moisture content of floors not more than 6%
Relative humidity within the range of 30% to 60%

Maintenance

Once the floor is installed, there should be no requirements for adjustment. The understructure requires no maintenance, the hardwood can be sanded and resealed from time to time.

Warranty

The floor is guaranteed against failure caused by faulty materials used within the system.
See Boen Sport guarantee.

Specification

For your NBS Specification please call the sales team.

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