

Available in Oak, Beech,  
Merbau & Canadian Maple



**FIBA**  
STUDY CENTRE  
Partner



NSPlus

**riba**  
product  
selector



**BOEN**  
SPORT

*-part of the game*



## **Arenaflex Stadium On Flexbat**

**Arenaflex Stadium is a resilient hardwood flooring system laid onto Flex battens, and is ideally suited for use as activity flooring, sports halls, dance floors, recreation halls and gymnasiums.**

### **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 Merbau. All hardwood used is taken from managed sustainable sources.

### **Board Dimensions**

23mm x 139mm x 2200mm

Each board comprises 3.5mm wear layer with 11.5mm pine spruce core and 8mm pine spruce balancing layer. 6 boards per pack (1.83m<sup>2</sup>).

### **Batten Dimensions**

Foam batten's are supplied in 31/45/57mm x 45mm x 1800mm and are PEFC certified. All Boen softwood battens are VAC VAC treated.

### **Weight**

The average weight of the system is approximately 16Kg/m<sup>2</sup>

### **Underfloor Heating**

All of Boen's sports floors are fully compatible with underfloor heating, refer to the Boen guide.

## **Composition & Manufacture**

The understructure is loose laid directly onto the sub-floor. Each of the preservative treated softwood battens are laid in accordance with BS 8201: 1987. Pre-finished, tongued and grooved hardwood boards are secret-fixed at right angles to the direction of the softwood support battens. It is important that the header joints of each board be supported on top of a batten and header joints glued with PVAc adhesive. 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 23mm Arenaflex will safely support distributed loads of 5.0kn/m<sup>2</sup> 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 battens are loose laid in a brick staggered pattern and laid to a levelled subfloor. Batten centres in accordance with Boen Arenaflex Stadium on Flexbat installation instructions. The sub-floor should incorporate a moisture barrier where applicable.

## **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 40% 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**

All battens are laid onto a dry and prepared sub-floor in accordance with the relevant British Standard. Flex bat VAC VAC treated softwood understructure 31/45/57mm deep x 45mm wide battens with incorporated 9mm resilient foam strip. Battens to be set at 367mm centres and each unit is staggered as specified by the manufacturer. Overlay the battens with Boen Arenaflex Stadium 23mm x 139mm x 2200mm length leaving the appropriate perimeter expansion gap, as recommended by the manufacturer. It is important that the header joint of each board is supported on top of a batten. Boen recommends that a vapour barrier is laid to all cementitious sub floor surfaces prior to installation.

## **Information**

Boen UK Ltd

Elgar House, Green Street, Kidderminster, DY10 1JF

T: 0800 652 5280

F: 0800 011 3701

E: sales@boen.co.uk

W: www.boensport.com



**BOEN**  
SPORT

*-part of the game*