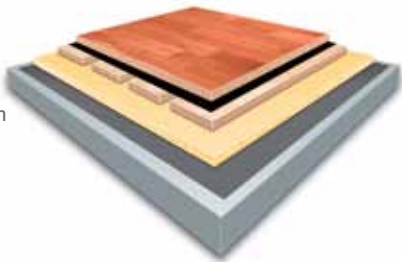


ELASTFLEX STADIUM

Area-elastic sports floor made up of an elastic layer and load distribution layer of plywood



GENERAL

An area elastic sports floor made up of an elastic layer and load distribution layer of plywood. On top you can choose between a 14mm or 21mm parquet. When using plywood sheets on top of the elastic layer all kinds of synthetic surfaces such as PVC, Linoleum and Polyurethane can be used. It has been tested in accordance to the demands of EN14904 and Actiflex meets the requirements of all five test elements and achieves the highest Type A4 classification.

CLIMATIC CONDITIONS

Elastflex wooden sports floor is dried to 7.5 ± 1 % moisture content which is the equivalent of furniture wood. This must be taken into account when installing the floor. All windows and doors must be in place and all moisture generating work completed well before installation of the floor commences.

The room must be heated to a minimum of 15 °C with a maximum RH between 30 and 60 %. Ensure that the room is kept 30 - 60 % at a relative humidity and temperature of 20 °C.

Elastflex boards should always be stored in dry conditions and do not open the packaging until the floor is to be installed.

SUB-FLOOR REQUIREMENTS

The sub-floor must be stable, self-supporting and level.

The maximum permitted deviation is 2mm per 2 meter radius. For the UK: ± 3 mm over 3 running metres according to British Standard BS8204.

If the sub-floor does not satisfy these requirements it will be necessary to make adjustments, either by planing or filling in.

SPECIAL REQUIREMENTS TO NEW BUILDINGS

2 layers of 0.2mm plastic membrane, which is taped at the joints (overlap 40 - 60cm), must be laid over the sub-floor prior to the installation of Elastflex. The plastic membrane gives Elastflex extra protection against moisture, but is not a moisture barrier for the concrete/sub-floor.

The relative moisture content of the sub-floor must be below 90 % or 75 % on the surface.

Where concrete is concerned it is necessary to measure the moisture at points a minimum of 10cm into the floor. Practical experience has shown that newly laid concrete floors should be dried for a minimum of 8 weeks prior to the installation of Elastflex.

DISTANCE TO WALLS AND COLUMNS

The distance between the floor and walls/projectiles is calculated at 1.5mm per meter width distributed on both sides.

INSTALLATION ASSEMBLING**SURROUNDING SUPPORT**

(Dimensions: 2500 x 100 x 15mm). Laying out the stripes of plywood around the walls as a rigid support.

ELASTIC LAYER

(Dimensions: 2240 x 1510 x 15mm). Within the stripes of the plywood the elements of the elastic-layer (polyurethane foam) are laid out loosely and intermittently displaced (staggered). Measure of staggering: half-length of an elastic layer.

LOAD DISTRIBUTION LAYER

(stripes of plywood; Dimensions: 2500 x 100 x 9mm). The stripes of plywood are laid out onto the elastic layer, crosswise to the direction of the hall. Distance between the stripes: 137,50mm spacing centre/centre. Length of the BOEN-sports parquet: 2200mm: 16 plywood-stripes = 137,50mm. In each row the plywood stripes are intermittently staggered (displaced) with half-length (1250mm). The distance to the wall is 20mm.

POLYETHYLENE FOIL

0,05mm thick. The Polyethylene foil is loosely laid out. An overlapping of 100mm on the joints has to be considered.

BOEN-SPORTS PARQUET

Dimensions: 2200 x 209 x 14mm

- Laid crosswise onto the plywood-stripes
- Distance to the wall: 15mm

- The beginning and the end of each plank (lengthwise) has to be always laid in the middle of a plywood-strip
- The boards of the parquet have to be laid in a displaced way. Measure of displacing: 4 plywood-stripes = 550mm
- Fixing: with clips 9,5 x 38mm

INSTALLATION

1. Starting with the 1st row of parquet laid with the groove side next to the wall.
2. The 1st plank of board has to be cut in the length ensuring that the front face is laid on the centre of the 16th plywood strip and the distance to the wall must be kept. Fixing: alongside the hall the parquet is screwed with a screw (4.2 x 35mm) with each plywood strip. In that way that the screw will be covered with the skirting later on. As described above the parquet is fixed with clips on each plywood strip through the tongue.
3. When starting the 2nd row of parquet the 1st plank is cut in the length ensuring that the front face will be laid on the centre of the 12th plywood strip. The parquet is fixed with clips on each plywood strip.
4. Starting the 3rd row of parquet the 1st plank is cut in the length ensuring that the front face is laid on the centre of the 8th plywood strip. Fixing: like 2nd row.
5. Starting the 4th row of parquet the 1st plank is cut in the length ensuring that the front face is laid on the centre of the 4th plywood strip. Fixing: as described above.
6. The 5th row of parquet is installed like the 1st row however without screwing the parquet.

SKIRTING

The skirting boards should be fastened to the wall only, so as not to impede the movement of the floor. T-mouldings should only be fastened to the existing floor.





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information on
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INTERNATIONAL

SCANDINAVIA

BOEN Bruk AS, 4658 Tveit, Norway
Tel: +47 38 06 66 00 www.boen.no

CENTRAL AND SOUTHERN EUROPE, MIDDLE EAST, EAST ASIA, AFRICA

BOEN Parkett Deutschland GmbH & Co. KG
Industriestraße 41, 23879 Mölln, Germany
Tel: +49 4542 8003 0 www.boen.de

EASTERN EUROPE, CENTRAL ASIA

BOEN Lietuva, Ilgio Street 5, 21412 Kietaviskės,
Elektrėnu sav. Lithuania, Tel: +370 686 551 55
www.boen.lt

UK & IRELAND

Unit 320-322, Beech Drive, Hartlebury Trading Estate,
Hartlebury, Worcestershire, DY10 4JB, UK
Tel: +44 800 652 5280 www.boen.co.uk

USA, CANADA, AMERICAS

BOEN Hardwood Flooring Inc. 350 Hollie Drive,
Bowles Ind. Park, Martinsville, VA. 24112, USA
Tel: +1 276 638 3700 www.boen.com