

Elastflex Stadium

Elastflex Stadium consists of:

- PUR-foam, elastic layer thickness 15mm
- Perimeter boards 1800 x 100 x 15mm
- Plywood strips 2500 x 100 x 9mm
- Polyethylene foil 0,05mm
- BOEN-Sports parquet 2200 x 215 x 14mm

General preparation / conditions

Before starting with the installation the consignment of the a.m. material has to be checked with regard to

1. Completeness
2. Quantity
3. Quality

It has to be ensured that all material are stored in clean, dry and weather tight room.

The room must be heated to a minimum of 15 °C with a maximum RH between 30% and 65%.

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

1. Checking subfloor

Elastflex Stadium has to be laid on a clean, stable, selfsupporting, level and dry subfloor. The maximum permitted deviation is 3mm per 2meter radius. If the subfloor does not satisfy these requirements it will be necessary to make adjustments, either by planning or filling in the subfloor. Please check local standards for compliance.

2. Assembling

2.1. Rigid support

Lay out the perimeter boards around the walls as rigid support.

2.2. Elastic layer

Within the perimeter boards the elastic-layer (polyurethane foam) are laid out loosely and intermittently displaced (staggered). Measure of staggering: half length of an elastic layer.

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2.3. Load distribution layer

The plywood strips are laid out onto the elastic layer, crosswise to the direction of the hall.

Distance between the strips: 137mm centre/centre.

Length of the BOEN-Sports parquet: 2200mm: 16 plywood strips = 137mm

In each row the plywood strips are intermittently staggered (displaced) with half length (1250mm).

The distance to the wall is 20mm.

2.4. Polyethylene foil 0,05mm thick

The Polyethylene foil is loosely laid out, over-lapping of 100mm on the joints.

2.5. BOEN-Sports parquet

Dimensions: 2200 x 215 x 14mm

- Laid crosswise onto the plywood strips
- 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 has to be laid in a displaced way.
Measure of displacing: 4 plywood strips = 550mm
- Fixing: with clips 9,5 x 38mm
- Installation:
 - Starting with the first row of parquet laid with the groove side next to the wall.
 - The first plank of board has to be cut in the length ensuring that the front face is laid on the centre of the sixteenth 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.
 - When starting the second row of parquet the first plank is cut in the length ensuring that the front face will be laid on the centre of the twelfth plywood strip.
The parquet is fixed with clips on each plywood strip.
 - Starting the third row of parquet the first plank is cut in the length ensuring that the front face is laid on the centre of the eighth plywood strip.
Fixing: like second row.
 - Starting the fourth row of parquet the first plank is cut in the length ensuring that the front face is laid on the centre of the fourth plywood strip.
Fixing: as described above.
 - The fifth row of parquet is installed like the first row however without screwing the parquet.