

# Elastflex Champion

## Elastflex Champion 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
- Plywood panels made of birch: Layer 1: 2500 x 1250 x 9mm  
Layer 2: 2500 x 1250 x 9mm

### 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 Champion 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. Polyethylene foil 0,05mm thick

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

## 2.4. Plywood panels

### 2.4.1. Bottom layer of plywood panels

The bottom layer is laid out in the longitudinal direction of the hall on top of the elastic layer.

Distance from the wall: 20mm

Distance between the single panels: 5mm

Measure of displacing in the longitudinal direction: half length of a panel (= 1250mm)

### 2.4.2. Top layer of plywood panels

The top layer is laid out in the longitudinal direction on top of the bottom layer and glued onto it as well as fixed with clips.

The panels are laid together without any space between.

Distance from the wall: 15mm

Measure of displacing to the bottom layer

- length wise: a quarter of the length of the panels
- width wise: half a length of the panels

Starting with the first panel next to the wall in the longitudinal direction with a half width and with a half width and with a half length of the panels (625mm x 1250mm). The second row of the panels starts with a quarter of an panel and a full width of a panel (625 x 1250mm).

Assembling: After having cut the panels the panels are glued together completely with an acrylat-Dispersion glue.

Consumption: 350 gr per 1 sqm (spatula B1).

Right after the glueing the top layer is laid onto the bottom layer.

After the laying and the glueing the upper and bottom layer are clumped together immediately with clips in the area of the joints.

Size of the clips: 6,4 x 19,1mm.

Distance between the single clips lengthwise and crosswise at the joints: approx. 50mm.

Distance of the clips from the centre of a field: approx. 150mm.

Distance of the clips from the edge of plywood panel: 20mm.

The joints of the panels are sanded and after it the sanded area is prepared with a spatula and if necessary sanded once again.

Encl.: plan of division of the panel.