

## Data Sheet

multi sports floor



**ASB GlassFloor**  
the future of area elastic  
sports flooring

Whilst the floor fulfils all technical requirements of the modern sports floor, it allows for much more. A professional court for every individual sport can be switched on by activating the LED court markings on the touch screen. A full LED screen can be installed under

the floor for advertising or interactive training. The system can be used indoors or outdoors and even portable floors are possible. The floor is also built to outlive its venue. Made from an aluminium sub-structure and a glass surface with burned in ceramic dots,

the floor is created to provide perfect characteristics for a high performance sports floor and an excellent surface that provides not only longevity, but the perfect elasticity for the required sport.



Evenness of the sub-floor before installation

1. Level floor, no more than 10mm height differences over a 5m radius.
2. Non-level floor, the substructure is supplied with height-adjustable pillars to provide a perfectly level surface.

## Structural Build Up

Aluminium double swing beam sub-structure

The sub-structure consists of a grid of aluminium double swing beams on pillars with a minimum height of 53 mm. The glass is installed on specially developed bearings, distributing the impact on the surface across the sub-floor.

Glass

Laminated two layer safety glass panels, built from two 5 mm tempered security glass sheets, laminated with a 1.52mm thick PVB - foil.

Glass surface

Special etching on the upper surface of the glass panels to prevent light reflection. Burned in ceramic dots for slip resistance. Any color and surface design is possible. Even sponsor logos can be applied.

Joints

Filled with a specially developed silicon joint.

Construction height

approx. 120 mm

## Court equipment

LED lines

LED marking lines in engineered light channels. Available in monocolour or as multi-colour LEDs. Different court markings are selected on a touchscreen computer.

LED screens

LED screens under the floor can be provided with a 6mm or 10 mm pixel pitch (distance between the LED's of the screen)

Sleeves

Sleeves for sports equipment like Badminton or Volleyball netting or gymnastics equipment can be supplied but need to be customized prior to ordering.

## Performance

according EN 14904:2006

Shock absorption

ø 65 (min 55, max 75)  
ø 55.6% according to DIN V 18032-2:2001 (min 40%, max 60%)

Vertical deformation

ø 3.9 mm (min 2.3 mm, max 5.0 mm )

Behavior under rolling load

1,500 N, No damage

Ball Reflection

ø 93% (min 90%)

Sliding Characteristics

ø 93 (min 80, max 110)  
ø 0.43 according to DIN V 18032-2:2001 (min 0.4, max 0.6)

Warranty

ASB GlassFloor 10 years, electronic components 2 years