

# ASBSQUASH

## SYSTEM 100 COURT SPECIFICATION SHEET



Finished system 100 courts front view

The construction thickness of ASB System100 walls is 100 mm, consisting of two high density boards, 18 mm thick, kept apart by aluminum I-profiles. The cavity between the panels is filled with a fire-dried sand, granulation 1-3 mm. Its main function is to absorb ball impact's energy, to guarantee and secure the ball's correct and constant rebound.

ASB System Courts can be moved to another location at a later stage, if desired. System 100 walls are self-supporting and independent from other building walls, due to installation upon custom-made sockets, elevating the walls 75 mm above the raw floor and thus securing them from rising humidity.

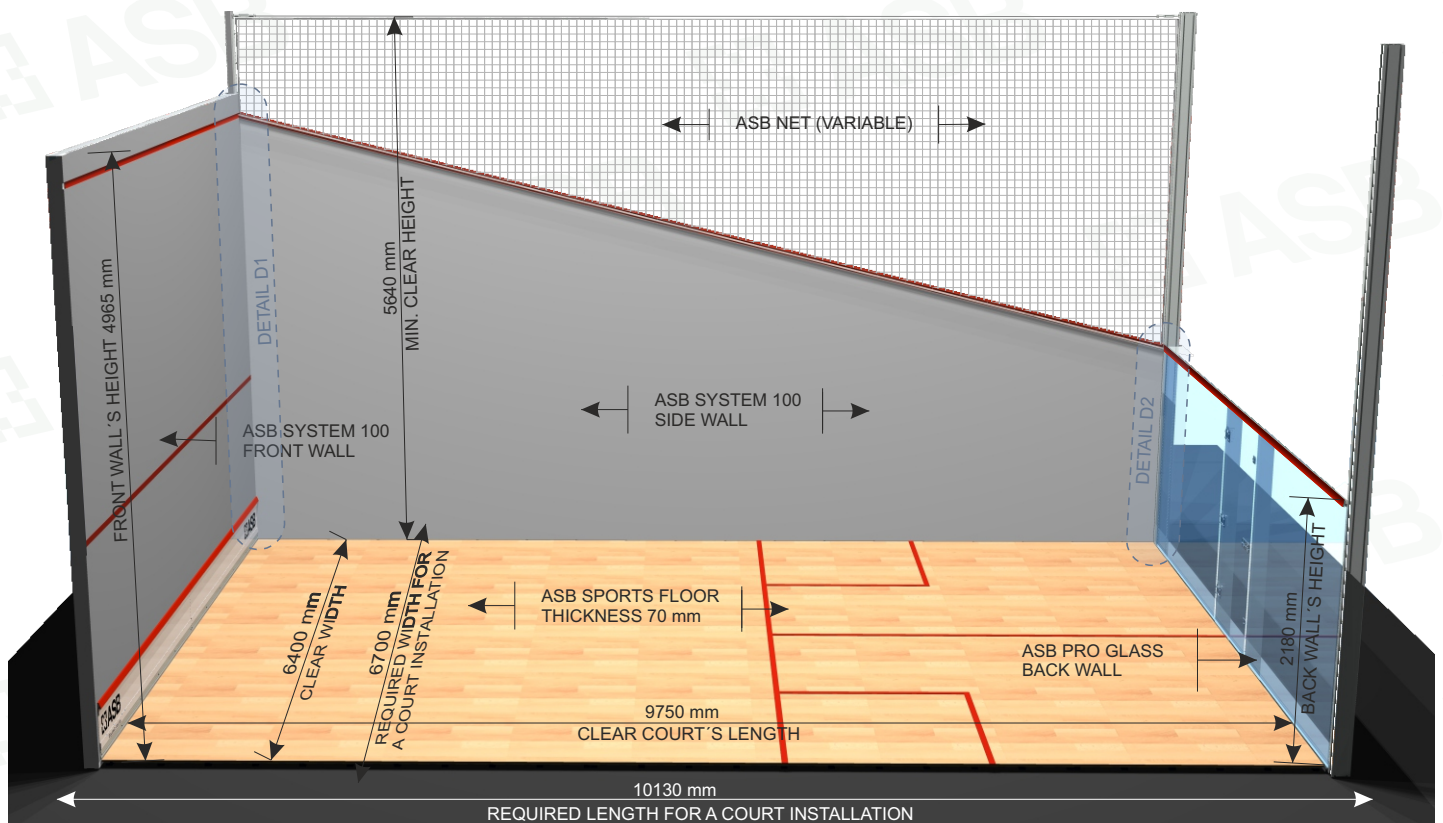
Prior to leaving the factory the wall panels are pre-coated with a special ASB coating. One further coat of primer and the final coating are applied on site. The surface of the court is hard, flat and free of joints, providing the necessary grip for the squash balls.

### The ASB System 100 front wall

- consists of only 3 high density boards
- the total weight after filling with the fire-dried sand is **4,6 t**

### The ASB System 100 side wall

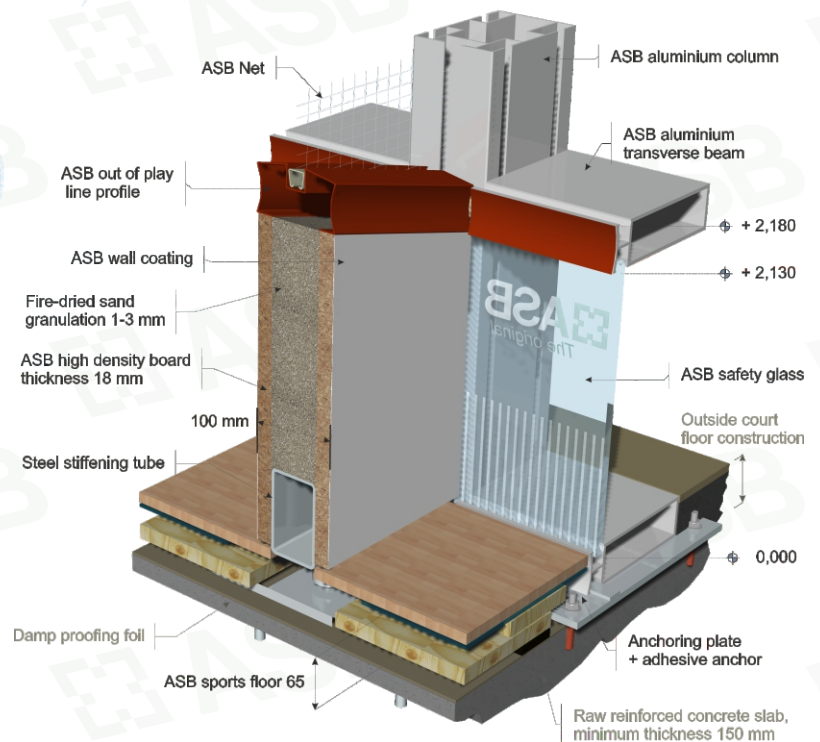
- consists of only 3 high density boards
- the total weight after filling with the fire-dried sand is **4,4 t**



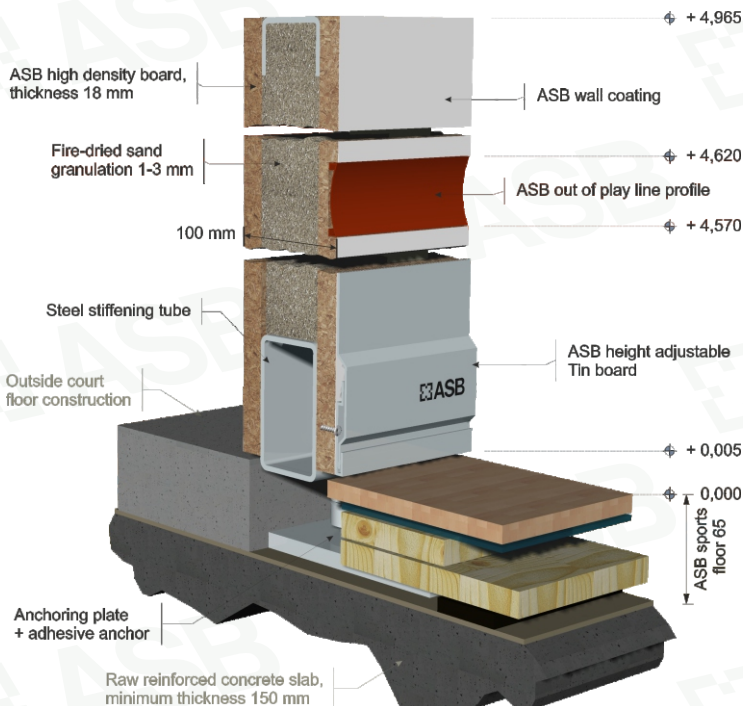
Side axonometric view

### ASB MAIN ADVANTAGES:

- Squash court walls are independent from all building constructions – self-supporting
- The cavity between ASB panels is completely filled with a fire-dried sand – this means no hollow spots, the entire wall becomes very solid and the rebound is even, no matter where the ball hits the wall
- The ASB panels are 18 mm thick – ball gets closer to the fire-dried sand, therefore, the wall becomes harder, which leads to better playing characteristics
- Squash court wall's surface finish is smooth, solid and without joints or gaps
- Eliminates the floor's linear expansion caused by varying air humidity – the floor goes underneath the walls
- Simple and quick installation
- Noise reduction



DETAIL D4 – ASB Side wall, system 100



DETAIL D3 – ASB Front wall, system 100

### Building preparation requirements:

- Minimal bearing capacity for a ceiling between storeys – **500 kg/m<sup>2</sup>**
- Minimal thickness of the base floor concrete slab – **150 mm** (minimal suggested reinforcement – steel net 150 × 150 × 6 mm)
- An insulation against humidity has to be ensured (a damp-proofing foil etc.)
- What has to be finished before court installation:
  - all wet processes
  - integration of a ventilation, a wiring and court lighting
  - marking of engineering distributions, painting and plastering of surrounding surfaces