

CourtTech GmbH & Co. KG
Pullacher Straße 11
83358 Seebruck
Germany

phone +49 8667.72-490
fax +49 8667.72-498
email info@courtttech.biz
internet www.courtttech.biz

COURTTECH
WE MAKE COURTS 

CourtTech Squash Courts Specification

1. Work included

CourtTech provides all material, labour, equipment and services necessary to install squash courts as specified and shown in the drawings. The squash courts are manufactured and distributed by

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2. Quality Assurance

CourtTech squash court walls and glass-back walls have been inspected by the World Squash Federation and are WSF approved and certified.

Junckers SylvaSquash floors is approved and certified by the World Squash Federation, and comply with the European performance standard for area elastic floors EN 14904.

3. Warranty

The structure and playing surfaces is guaranteed against defects under normal use for five years. This warranty period does not cover glass breakage or line markings.

4. Submittals

1. Detailed CourtTech materials and fabrication specifications and installation instructions.
2. CourtTech installation and operating instructions.
3. Shop drawings for the erection and installation of CourtTech components. The shop drawings indicate all builder's work requirements, dimensions of openings, all fixing details, suspension systems etc.



5. Product Handling

1. CourtTech will cover and protect materials from pickup to delivery.
2. Materials will not be delivered until the building is completely sealed and weather-tight.
3. The temperature and humidity range must be maintained in accordance with our recommendations.

6. Components

6.1. CT System Front Wall

Total thickness of the wall is 94mm, consisting of two 21mm thick RS special high density panels attached to steel C-section stud frames. Free standing wall sections are fixed onto steel plates mechanically fixed to the floor in two positions. The walls are finished with three factory applied coats of high performance paint. On completion a final finish of CT high performance coating is applied to the wall surface, colour RAL 9001. The system wall is filled with 2½ tonnes of kiln-dried sand. The wall system is hard, flat and free of vertical joints.

6.2. CT System Side Wall

Total thickness of the wall is 94mm, consisting of two 21mm thick RS special high density panels attached to steel C-section stud frames. Free standing wall sections are fixed onto steel plates fixed to the floor in three positions. The walls are finished with three factory applied coats of high performance paint. On completion a final finish of CT high performance coating is applied to the wall surface, colour RAL 9001. The system wall is filled with 2½ tonnes of kiln-dried sand. The wall system is hard, flat and free of joints. The out-of-play lines are made from extruded aluminium, colour red, RAL 3001.

6.3. CT movable System Side Wall

Total thickness of wall is 94mm, consisting of two 21mm thick RS special high density boards attached to steel columns. The complete wall is suspended on two rails which are fixed over the glass back wall and the front wall. The walls are finished with three factory applied coats of high performance paint. On completion a final finish of CT high performance coating is applied to the wall surface, colour RAL 9001. The movable system wall is filled with lighter filler than static walls. The wall is hard, flat and free of joints. The out-of-play lines are made from extruded aluminium, colour red, RAL 3001.

6.4. CT Half System Front Wall

Consists of 21mm thick RS high density board fixed onto existing wall(s) of the building with special concealed fixing brackets. The CT Half System Front Wall has a total construction thickness of 40mm. The walls are finished with three factory applied coats of high performance paint. On completion a final finish of CT high performance coating is applied to the wall surface, colour RAL 9001. The wall surface is flat and free of joints. The CT Half System Front Wall is filled with 1 tonne of sand.

6.5. CT Half System Side Wall

Consists of 21mm thick RS high density board fixed onto existing wall(s) of the building with special concealed fixing brackets. The CT Half System Front Wall has a total construction thickness of 40mm. The walls are finished with three factory applied coats of high performance paint. On completion a final finish of CT high performance coating is applied to the wall surface, colour RAL 9001. The wall surface is flat and free of vertical joints. The CT Half System Side Wall is filled with 1 tonne of sand. The out-of-play lines of the side wall are made from extruded aluminium, colour red, RAL 3001.

6.6. Height adjustable Tin

This tin is height adjustable from the standard height of 480mm to 430mm (measured from finished floor level). The tin made of 21mm thick high density boards, with two coats of high performance coating. Split in two panels each 3195 mm long. The 'Board' (the top profile of the tin) is made of extruded aluminium, colour red, RAL 3001.

6.6.1. Height adjustable tin with glass viewing panels

(alternative optional to standard height adjustable tin)

As model 6.6 above this tin is made of 21mm thick high density boards, with two coats of high performance coating, comprising two panels each 3195mm long. The 'Board' (the top profile of the tin) is made of extruded aluminium, colour red, RAL 3001. 10mm toughened glass windows are incorporated into each corner of the tin panels, for viewing or positioning of cameras.

6.7. Nets over front, side or back wall

Nets are made of 3mm thick polypropylene string, width of mesh approx. 20 mm, UV-proof. Nets are attached with hooks every 100mm and stretched with a 6mm steel cable at a height of 6000mm (height can be modified).

6.8. Head pieces above front, side or back wall

Boards made of 21mm thick RS high density board with two coats of high performance coating. The head pieces are a standard height of 6000mm from finished floor level (height can be modified).



6.9. Frame glass back wall

Toughened one-pane safety glass with etching, 12 mm thick. The glass wall consists of two panels and one glass door, all of which have white ceramic silk-screened lines bonded into the glass at 25 mm centres, 610mm high and 2mm wide. The clear entrance width is 914mm (suitable for wheelchair access). The glass panels are supported by an aluminium frame. The glass door is mounted laterally with cam hinges and door opens to the inside of the court.

6.9.1. Fin glass back wall (alternative option to frame glass back wall)

Toughened one-pane safety glass with etching, 12mm thick. The glass wall consists of two or four panels and one glass door, all of which have white ceramic silk-screened lines bonded into the glass at 25mm centres, 610mm high and 2mm wide. The clear entrance width is 914mm (suitable for wheelchair access). The glass panels are supported by glass fins 300mm wide and 2130mm high, fixed in at right- angles to the glass panels. The glass door is mounted laterally with hinges and opens to the inside of the court.

6.10. Junckers Sylva Squash Sport Floor

The Junckers SylvaSquash sport floor is consists of 22mm solid beech tongued and grooved floor-boards secret-nailed to a resilient undercarriage system of semi-sprung battens (and cradles if sub-floor is not level). The floor system is an area elastic type of sports floor with high shock absorbency and elasticity suitable in multi-purpose sports hall as well as for squash. The construction height is 74mm without packing. The sports floor system fully conforms to EN 14904:A4

6.11. Lighting

The court will be lit by artificial light. The level of illumination measured one metre above finished floor level should be minimum of 500 lux. Eight units each consisting of 3 fluorescent tubes. The walls of the court should be lit in such a way as to appear evenly and uniformly illuminated and lux levels should not vary at any point by more than 15% from the average level of illumination.

7. Installation

Install courts complete, utilising only qualified and approved personnel trained in correct installation techniques with experience on similar projects.