



2020



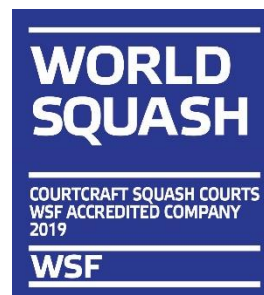
# Renov8 Squash Court Panel System: Specification Information



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*Guidance information for Architects, Specifiers and  
Main Contractors.*

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This Specification describes each of the specialist finishes in relation to the Courtcraft RENOV8 squash court package. Each element complies in all respects as set out in the World Squash Federation (WSF) specification.

**INSTALLATION:**

All squash court finishes should be installed by the WSF certified specialist contractor Courtcraft Ltd

Courtcraft Contact Details: Mr Thomas Smith

Courtcraft Ltd  
Logic House  
31 Gibfield Avenue  
Atherton  
Manchester  
M46 0SY

Tel: 01942 881 500      Email: [squash@courtcraft.co.uk](mailto:squash@courtcraft.co.uk)

**TOLERANCES:** Block walls should be constructed straight and plumb to a tolerance of +/- 5mm in 6000mm. Joints should be left flush and not raked out prior to application of the specialist wall panels.

**SUB-FLOOR TOLERANCES:** Sub-floors should be levelled in accordance with BS 8204-1 (2003), Code of Practice for concrete bases and screeds to receive in-situ flooring and levelled to within a tolerance of 3mm under a 2m straightedge (Class SR1). Concrete sub-floors should be power-floated or screeded to receive semi-sprung floor battens without the need for packing. Logic levelling cradles should be specified where this is not likely or possible or where pre-cast concrete units form the sub-floor, for example.

**DIMENSIONS:**

The internal finished WSF standard dimensions of a single squash court play walls and floor are given below.

- Length of court between playing surfaces 9750mm
- Width of court between playing surfaces 6400mm
- Height above floor to lower edge of Front Wall Line 4570mm
- Height above floor to lower edge of Back Wall Line 2130mm
- Height above floor to lower edge of Service Line on Front Wall 1780mm
- Height above floor to the top of the Tin 480mm
- Distance to nearest edge of Short Line from Back Wall 4260mm
- Internal dimensions of Service Boxes 1600mm
- Width of all lines and the upper section of the Tin 50mm
- Minimum clear height above the floor of the court 5640mm
- Side Wall has a sloping edge of 14 degrees.

All dimensions above are overall internal court dimension sizes to WSF standards.



The system proposed comprises of RENOV8 high density board wall system to the front and side play walls. To be Installed by Courtcraft Ltd (tel: 01942 881 500)

### **WALL CONSTRUCTION:**

The construction thickness of RENOV8 Walls when installed are 43 mm.

Renov8 front and side walls consist of a single skin of high density 21mm timber panels attached to existing brick or blockwork sub structure, with a 22mm aggregate filled cavity behind the timber panel. The sub structure wall must be capable of withstanding a weight loading of 60kg/m<sup>2</sup>.

An horizontal Aluminium section is placed on the bottom of each wall and the vertical subframe sections are fastened to the block work using multiple, evenly spaced anchor fixings (screwed or actuated nail gun fixings) at 300mm centres. High density board sections are butt jointed to each other onto the subframe via screw attachment. The bottom of the wall cavity is sealed with foam sealant and then the 22mm void is filled with a fire dried approx 1-3 mm size clay-based aggregate.

The construction process of the assembled wall panels uses specialist adhesives and fixings, ensuring that the panels cannot delaminate away from the sub structure over time.

The red markings to the out of play and service lines are applied using red games tape.

The high-density boards used in RENOV8 walls are pre-coated at their site of manufacture. Once assembled on site, RENOV8 walls are sanded and prepared for the final durable paint coating. The finished surface of the court is hard, flat and visually free of any surface joints.

The RENOV8 panel system courts when installed by Courtcraft comply in all respects with the requirements of the World Squash Federation and has full WSF specification directives.

### **Weight of the RENOV8 System Walls**

The total weight of a Courtcraft RENOV8 system front wall including sand filling is approximately 1698kg. Total weight of an RENOV8 side wall including sand filling is approximately 1551kg, when assembled.

### **H13 STRUCTURAL GLASS WALLING**

#### **TYPE(S) OF STRUCTURAL GLASS ASSEMBLY**

#### **H13 SQUASH COURT GLASS-BACK WALLS**

Model type four panel freestanding type as approved by the WSF.

Constructed and installed in accordance with Courtcraft Specification and working drawings from 12mm toughened glass, edge-worked and drilled as necessary.

Manifestation to the lower 610mm of all panels and doors with 3mm wide white lines screen painted on the playing side, and as may be required additionally by building regulations.

Include all components and Aluminium patch fittings, flush ring-pull handles and latch set.

Supporting glass fins and Aluminium brackets, glazing channels, silicone glazing compound, all screws, bushes, fixing bolts etc. required to complete the installation.

Subfloor concrete depth requirement 120mm minimum for anchor bolts. Void for foot plates for glass fins is 75mm (SFL to FFL)

### **K21 TIMBER STRIP/ BOARD FINE FLOORING/LININGS**

#### **K21/130 BATTENED TIMBER FLOATING FLOOR TO SQUASH COURT**

Manufactured by Junckers Ltd. Wheaton Court Commercial Centre, Wheaton Road, Witham, Essex CM8 3UJ (Tel.01376 517512), and approved by the WSF and SRA.

Subfloor levelling to conform to BS 8204-1 (2003) and should not deviate more than a 3mm under a 2m straight edge, having a suitable damp-proof membrane underneath.

Type: Sylva Squash prime grade beech strip with textured surface, unsealed\*, double-width boards 22mm thick x 129 wide x 3700 long; tongued and grooved on all edges.

Junckers Blubat battens with integral foam pad, the batten thicknesses 57mm for a finish construction height of 79mm. Manufactured by Junckers Ltd.

K21/135 Where sub-floors do not conform with BS 8204-1 (2003), substitute Logic Floor Levelling System. Logic plastic cradles with integral foam pad, packers and plain treated softwood battens. Manufactured by Courtcraft Ltd. Unit 31, Gibfield Park Avenue, Gibfield Business Park, Atherton, Manchester M46 0SY (Tel 01942 881500).

Cradle height : 16/ 30mm

Batten thickness: 36mm

Fixing: cradles to be laid at 450 centres

Softwood battens to be laid inside cradles at 411 centres and levelled with interlocking nylon packers

Standard floor thickness 74mm - 100mm for Logic System.



DECORATIVE TYPE(S)

COURT MARKINGS: SQUASH COURTS

In accordance with WSF apply painted 50mm wide court markings to floor. The front wall (the "cut-line") and the side wall out of play lines will be marked using specially formulated tape.

Colour: red

#### **N10 GENERAL FIXTURES/ FURNISHINGS/ EQUIPMENT**

THE "TIN" (OR "PLAYBOARD"): SQUASH COURT

Manufactured by Courtcraft Ltd and approved by the WSF; The tins can be supplied as standard height tins or they can be ordered as height adjustable tins for competition play to 480mm or 430mm the tin comprise of two aluminium extruded tin tops each one 3200mm long and profiled in such a way to highlight low played ball shots & is powder coated red for durability & secretly fixed to High Density board panels for the main body of the tin boards the system is then fixed to the front wall with specially formulated aluminium hanging brackets.

Colour of mouldings: top batten, red

