

Badminton design data

Court dimensions

Doubles 13.40m x 6.10m

Safety margins: minimum 2m clear between the back of the court and any wall. 1.5m clear between the side of the court and the wall or another court. 1.2m should be allowed between sport hall dividing nets.

The singles court is marked within the doubles court as shown overleaf.

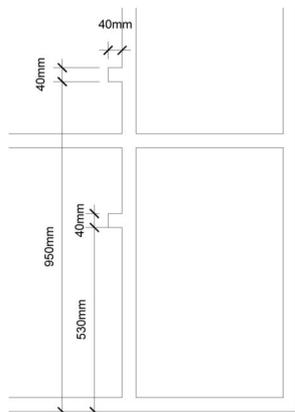
Line markings

Width of lines: 40mm

External dimensions **include** width of lines.

Shuttle speed testing marks

To show the zone in which a shuttle of correct pace lands when tested, an additional four marks 40mm x 40mm may be made inside each side-line for singles of the right service court, 530mm and 990mm from the back boundary line.



Colours

The lines shall be easily distinguishable, preferably white but yellow is also acceptable.

Preferred playing surface colours are green, blue or natural timber with a transparent seal. The finish to the flooring should be matt to avoid any glare. **sportscotland** recommend a light reflectance value of 0.2 - 0.4 for the floor surface.

The ideal badminton hall has four plain walls with no windows. Walls should be medium to dark shades with a matt finish in order to contrast with the shuttlecock. There should be no distracting attachments, particularly brightly coloured items. Blue or green are preferred colours.

The surface texture, colour and reflectance value should be consistent over the full hall, with excessive changes in colour and materials avoided if possible.

Wall - The light reflectance of value of the materials should be 0.3 - 0.5 in a matt finish.

Ceiling - The light reflectance of value of the materials should

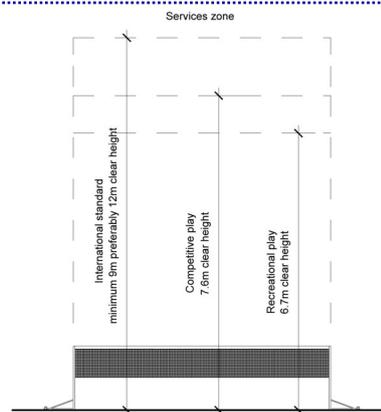
Clear height requirements

Recreational: 6.7m clear height above the playing area

Competition: 7.5-9m clear height above the playing area

International standard: At least 9m but preferably 12m clear height above the playing area

The heights indicated refer to clear heights above the court and below any structure or services.



Sports hall environment

Ideal temperature: 16 degrees

Air velocities should be less than 0.1m/s to avoid deflecting shuttlecocks.

Lighting levels:

recreational and club use: 300-500 lux

International events: 1000 lux

Uniform levels of illumination across the hall is preferable. Direct sunlight should be avoided.

Hall dividers:

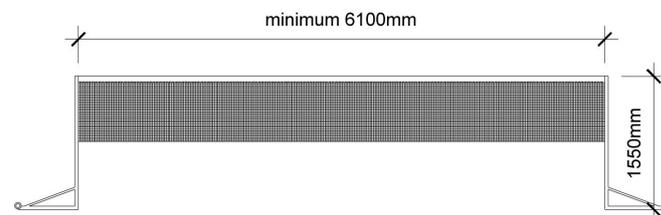
If a sports hall has dividing nets between courts it is preferable for these to be blue / green to contrast with the shuttlecock. Ideally they should the same colour as the walls and ceiling

Sports floor:

Sports floor conforming to BS EN 14904:2006

National & international level competition's are commonly played on a roll out court over an existing sports floor.

Net



Source documents

Handbook II Laws of Badminton and Regulations

Updated 1 December 2012

Badminton World Federation

Endorsed by
BADMINTONscotland

