

TECHNICAL DATACARD

IRONCORE II

The IronCore II court is a padel court manufactured with the best CE quality materials and 100% compliant with the F.I.P. requirements



METAL PERIMETER
STRUCTURE



TEMPERED
GLASS



ARTIFICIAL
GRASS



LED
PROJECTORS

THE IRONCORE II PADEL COURT INCLUDES:

Metallic structure in S235JR steel

- 8 pillars (2 per corner) of 100x40x2mm, 4 mt high, welded at the base to anchor plates of **300x150x10mm**.
- 12 pillars (6 per glass side) of 100x60x2mm, 4 mt high, welded at the base to anchor plates of **300x150x10mm**.
- 12 pillars (6 per mesh side) of 100x60x2mm, 3 mt high, welded at the base to anchor plates of **245x160x10mm**.
- 4 lighting pillars of 100x60x2mm, 3+3=6 mt high, welded at the base to anchor plates of **300x150x10mm**.
- 14 electro-welded mesh panels (7 per glass side) of **2000x1000mm**.
- 12 electro-welded mesh panels (6 per mesh side) of 3000x2000mm + 2 panels (1 per entrance) of **1000x2000mm**.
- 2 pillars with 1 central net + the tensioning system.
- Complete sets of A2 stainless steel screws: screws, washers, ground fixing studs, screw taps, etc.
- The entire metal structure receives a category C5 anti-corrosion treatment which consists of applying several steel washing processes, followed by the application of an anti-corrosion resin and finally, the application of a high quality 100 micron thick epoxy lacquer paint.

The court can be paint in any RAL color.

The structure has been designed to resist winds of **20 m/s - 70 km/h - 44 mph** with glass and **30 m/s - 108 km/h - 67 mph** without glass

The assembly is extremely easy, fast and precise thanks to the design and laser cutting of the parts which avoid to drill, sand and other improvements during the installation.

Tempered glass

- 18 **10mm** thick tempered glass walls (12mm available as an option) measuring 1995x2995mm. Thermally tempered glass according to UNE-EN-12150-2 and compliant with the "HEAT SOAK" test of UNE-EN-14179-2.
- 60x4mm black EPDM gaskets (ethylene propylene) to be installed between the glass walls and the metal structure offering exceptional performance in extremely adverse weather and temperature conditions.
- PVC bushing to be installed in the conical holes of the glass walls in order to avoid contact between the glass fixing screw and the glass itself.
- Complete set of Allen type stainless steel screws with DIN M8x30 countersunk head to fix the glass walls to the pillars.

Artificial grass

- Fibrillated grass (polyethylene) Mondo NSF 70 12 model (or other equivalent brands depending on availability), 42,000 needles per m², 6,600 dtex, 136 g/m² backing and 12mm high. Green color. Optional: blue or clay red
- Two-component glue and joining strip to install the grass.
- 3,000 kg of special silica sand for padel with a grain size of 0.2 to 0.5. Complies with UNE-EN 14836 and 13864 standards.

LED projectors

- 4 Pro LED of 240W each, IP66 protection rating. Complies with standard UNE-EN 12193 "Lighting of Class II sports facilities". Performance: Em 374 lux - 0,76 Uniformity.
- 4 electrical cables 6 m long to connect the projectors. Electrical connection system not included.

Options

- Padel courts manufactured with any special dimension to adapt them to the available space.
- Sliding doors and personalized protectors at entrances.
- Possibility of combining 2 different colors in the luminous pillars and the rest of the metallic structure.
- Colored sand.
- Reinforced anti-corrosion treatment with thermoplastic paint (+2 years warranty).



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