



TECHNICAL DATACARD

IRONCORE III

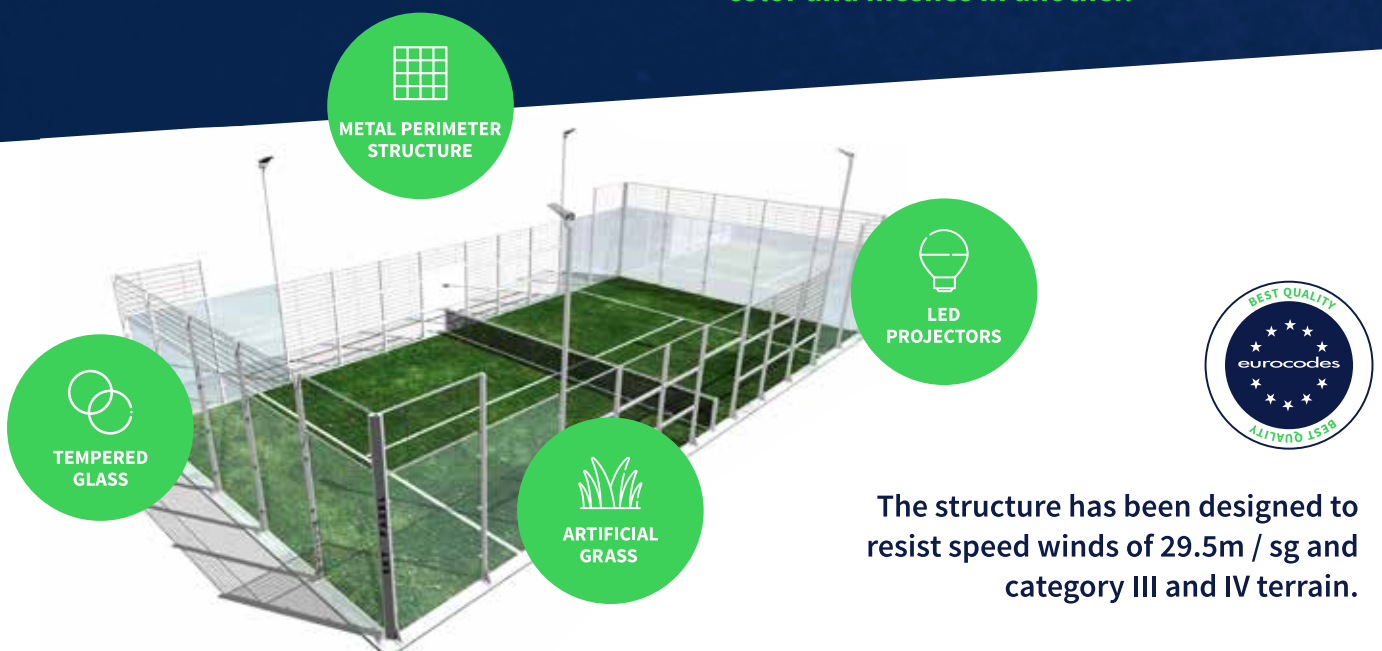
The IronCore III paddle court model is made of top quality materials and under the requirements set by the FEP standards and the Euro-building codes.

THE IRONCORE III PADDLE COURT IS COMPOSED OF:

Metal perimeter structure consisting of:

- 14 structural pillars in galvanized steel, 100x60x3mm, 4 meters high, reinforced at the bottom with a 95x20x8mm gusset.
- 12 structural pillars in galvanized steel, 100x60x2mm, 3 meters high, reinforced at the bottom with a 95x20x8mm gusset.
- 4 structural pillars of 6 mt in height in 100x60x3mm to hold the led projectors.
- 24 300x200x10mm galvanized steel anchor plates, which will be fixed by means of 250x16mm chemical anchors to the foundation footing of the slab.
- 12 galvanized steel anchor plates of 250x150x10mm, which will be fixed by means of 250x16mm chemical anchors to the foundation footing of the slab.
- 14 electro-welded mesh frames of 50x50x4mm and size 2000x1000mm.
- 12 electro-welded mesh frames of 50x50x4mm and size 2000x3000mm.
- 120x10mm stainless steel through screws to join the mesh frames to the pillars (protecting them with metal washers).
- The entire metal structure is painted / lacquered in the oven with powder paint at 200°C, ensuring a coating greater than 100 microns and a perfect waterproofing of the structure. Possibility of painting pillars in one color and meshes in another.

The court can be paint in any RAL color. Furthermore, pillars can be paint in one color and meshes in another.



The structure has been designed to resist speed winds of 29.5m / sg and category III and IV terrain.

Tempered glass consisting of:

- 10 or 12 mm thick tempered glass, bringing a total of 18 sheets measuring 1995x2995 mm.
- Thermally tempered glass according to Standard UNE-EN-12150-2, and heat soak according to Standard UNE-EN-14179-2.
- Black 60x4 mm EPDM seal (ethylene propylene), with outstanding performance under inclement weather and temperature conditions.
- Fully sealed to avoid contact between the glass and the metal structure.
- PVC bushing to be installed in the countersunk holes of the tempered glass. Its purpose is to avoid contact between the glass fixing screws and the glass.
- Stainless steel glass fixing screws. DIN M8x30 countersunk Allen screws.

Artificial grass

- Monofilament grass (polyethylene), 54600 needles per sqm, 10000 dtex and 12 mm high. Outstanding performance for playing padel. Colour: green and blue.
- Two-component joining strip and glue to install the grass.
- 3500 kg of silica sand with grain size 0.2-0.5, specially for padel. Compliant with Standards UNE-EN 14836 and 13864.

LED projectors

- 4 300W LED projectors with IP66 rating, and 45.683 lumens per projector. Compliant with Standard UNE-EN 12193 on "Lighting for sports facilities Type II". Em 312 lux.

