



### High aesthetic quality finishes:

- a) Electro-welded wire mesh flush with the glass (no edges)
- b) Electro-welded mesh is continuous between frames (injury prevention)
- c) World Padel Tour type open doors
- d) Net posts matching the structure
- e) Corners finished off with trims

### Highly sturdy finishes:

- a) Complete structure in hot galvanized steel
- b) 136 metallic anchors for heavy weights: M12/Ø16x100
- c) All screws in stainless steel and M10 metric
- d) Wire mesh and glass rest on its entire perimeter on a frame
- e) Once installed, large pillars of 120x80mm reinforced with buttresses
- f) Ventilation holes



## Technical description: VISION METALLIC STRUCTURE

---

It is the latest generation padel court, which combines building systems of pillars and frames, to form once installed, large pillars of 120x80mm reinforced with buttresses. Besides being super-resistant, in the VISION model, the electro-welded wire mesh with the glass (no edges), the wire mesh is continuous between frames (injury prevention), and both wire mesh and glass rest on its entire perimeter on a frame, guaranteeing finishes of high aesthetic quality with highly robust finishes. It is distributed in:

- 30 metal frames built with 40x40x2mm tube, with 48x48x4mm electro-welded wire mesh, internally reinforced with two extra 40x40x2mm tubes to ensure the long-term stability of the wire mesh. When glass and wire mesh coincide in the same frame, it is reinforced internally with 80x40x2mm tube to support and protect both. The glass rests on its entire perimeter on a base of 40mm, to ensure maximum stability, better bounce of the ball and safety during the game. 4 frames adapted for player access.

- 20 pillars 80x80x2 mm thick of 3 meters high, with anchor plates measuring 26x16x1 cm thick which are reinforced with 10cm tall buttresses. Each pillar is anchored to the ground using 4 units of M12/Ø16x100 anchor bolts for heavy loads, finished with polyethylene plugs. They are positioned every 2 metres to reinforce and brace the structure.

- 4 pillars 80x80x2 mm thick of 6 meters high, designed for lighting to be installed, with special anchor plates measuring 30x25x1 cm which are reinforced with 80 cm tall buttresses. Each pillar is anchored to the ground using 4 units of M12/Ø16x100 anchor bolts and bolted to the structure to prevent shadows. With a crossbrace to support the floodlights.

- The four corners of the structure are lovingly finished off with trims.

- 2 large open entrances in the centre of the court to facilitate players' quick and safe access and exit

- Set of top-quality net posts and competition net comprising:

- a) Set of net posts, made in square tube with a removable internal tightening mechanism. Reinforced net posts, hot galvanized and painted to match the rest of the structure.

- b) Competition net made from wear-resistant 3 mm braided nylon, 40x40 mm. Long-lasting polyester upper strip with a 6 mm plastic-coated galvanized steel cable.

- All screws are stainless steel and M10 metric; additionally, UV-resistant nylon protective washers are used with the glass.

- All the metal used to produce the metallic structure of the padel court is carbon steel S235JRH (EN 10219) hot galvanized; the wire mesh is pre-galvanized, and the anchor plates are hot-dip galvanized. We shape the material in our factory, taking all details into account, in a flow production system featuring specialised storage, cutting, drilling, assembly and packaging processes. Lastly, the 9-stage painting process begins: (1) degreasing; (2, 3 y 4) triple wash using osmotic water; (5) nano-ceramic passivation; (6) wash again; (7) drying; (8) application of electrostatic coating (**in the colour of your choice, normally RAL6005 green, RAL5017 blue, RAL9005 black**) using thermosetting polyester paint; and (9) polymerisation tunnel at 200-230°C.

## Technical description: TEMPERED GLASS

---

14 panels measuring 2995x1995mm + 4 panels at 1995x1995mm, with 6 and 4 counter-bored holes respectively, in a total 100m<sup>2</sup> of tempered 10 mm or 12 mm thick float glass; edges are polished flat; fully certified and ideal planimetry.

The glass rests on and is supported by the anchor plates in the metallic structure at 15 mm above the floor, which enables rainwater to drain and the edges of the artificial grass surface to be placed below the glass.

Positioned on high quality EPDM rubber joints, which are the same width as the metallic section and 5 mm thick, to absorb knocks and the glass vibrating against the metallic structure.

Tempered glass is anchored using metric 10 stainless steel bored bolts, protected with UV-resistant nylon covers.

Silicone placed between the edges of the glass panels to prevent long-term contact.

## Technical description: MONDO ST<sup>X</sup> ARTIFICIAL GRASS

MONDO artificial grass - Monofibre ST<sup>X</sup> - top quality monofilament in green, blue, red or purple; for 20x10 m padel court:

Grass made from ST<sup>X</sup>-type polyethylene threads, a semi-concave monofilament reinforced using a 12 mm tall/250-micron thick central nerve. 6 microfilament fibres inserted per knot and 54,600 knots per m<sup>2</sup> (total: 655,200 threads per m<sup>2</sup>). 9,000 Dtex grass with a total fibre weight of 1504 g/m<sup>2</sup>. Support base finished in polyurethane to ensure better long-term finish, with a total weight of 2,319g/m<sup>2</sup>.

Game lines in white in the same material, tie bands, special adhesives, plus supply and spreading of chosen round-edged graded silicate sand, for a total 15 Kg/m<sup>2</sup>.



## Technical description: LED LIGHTING

SMD LED 150W or 200W projectors with high brightness (IP65); 6500K colour rendering. Made in Spain using the latest, safest, most efficient technology.

150W



200W



### \*RECOMMENDATIONS FOR USE

- Regional & local tournaments, high-level training = 8 units x 150W
- National & international tournaments = 8 units x 200W
- Training, school & recreational sport = 4 units x 200W

## CUSTOMISE YOUR PADEL COURT

- a) **Colour of the metallic structure:** choose any colour on the RAL chart (normally green RAL6005, blue RAL5017, black RAL9005)
- b) **Extra application of zinc:** for places with very humid or corrosive atmospheres or climates
- c) **Open access without doors (WPT), with sliding doors, or with adaptation for access with wheelchair.**
- d) **Laser engraving in the corners of the metallic structure:** customise the court with the brand or name of your choice
- e) **Grass type and colour:** top quality MONDO ST<sup>X</sup> grass & colour of your choice, or ST<sup>X</sup> SUPERCOURT (WPT)
- f) **LED lighting:** choose the number and power of the LED projectors, for personal, commercial or tournament use
- g) **Protection on the access points:** cushioned covers on the net posts and the ingress/egress doors, with space to insert advertising
- h) **Ball-stopper nets:** avoid losing balls by installing protective nets on the upper section of the enclosure
- i) **NEW: Digital scoreboard with tactile push button behind the padel' glass and optional live broadcast**