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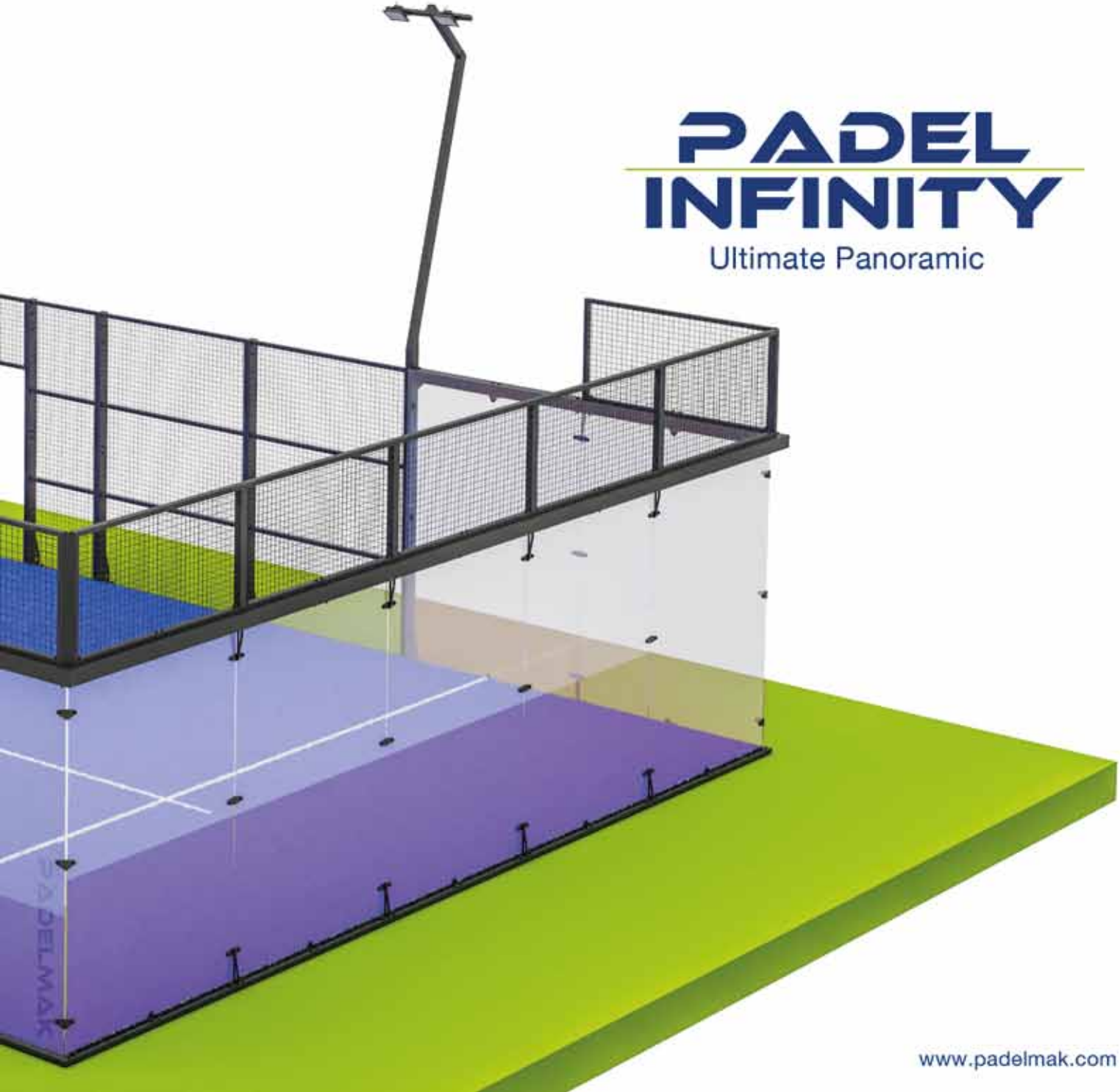
PADEL INFINITY

Ultimate Panoramic



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PADEL PRIME

Professional Performance

TECHNICAL DETAILS

- Premium quality hot galvanised steel construction. 120x80x2.5 mm steel pillars, premium aesthetic finishing. Pillars are duplicated at the corners 120x60x2.5 mm
- Robotic welding.
- Hot rolled steel profiles, powder coated paint applied electrostatically, and oven heated. Customizable colors
- 4mm Electro welded wire mesh 50x50x4mm, 60x40x2mm steel frame, anti injury mesh system
- Tempered high-quality glass 10mm. Comply with EN 12150 standard CE marked 18 pieces 3x2 meters (2995x1995mm)
- Professional Padel Turf Curly 12mm, texturized monofilament. Polyethylene fibers resist the effects of ice and ultraviolet lights and which is durable over time.
- LED Lighting 200W Projectors 8 pieces
- Professional padel tennis net
- Complying with the UNE-EN 10155 Standard
- UNE EN 12150-1 Standard
- Warranty; steel structure for 10 years, padel turf for 5 years and other components are for 2 years against manufacturing and workmanship defects.



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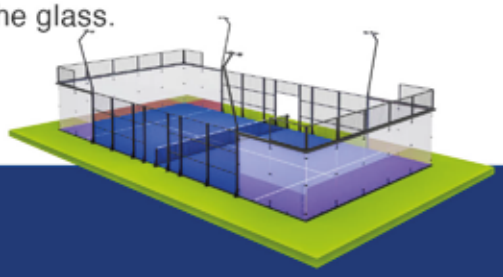
STEEL MATERIAL & CONNECTION PARTS DETAILS

- In steel materials, Products manufactured with the latest technology after 3D design will be used.
- Sheet materials are cut by laser, The profiles will be prepared by drilling holes in the laser and again by manufacturing the sheets on CNC bending machines.
- Wires will be combined with the CNC center machine as the center.
- Wire and sheets will be joined by robot welding and the gas metal arc welding method.
- Electrostatic powder paint spraying will be applied with a robot system. Selected paints will be guaranteed for 10 years against fading and wear.
- The wire mesh spacing on the panels will be 50x50 mm.
- The panels will be manufactured in line with the glass and be suitable for mounting.
- There is a continuous connection between the panels. and precautions will be taken against damage.
- Manufacturing will be done in accordance with the padel standards used in the world and the production of steel materials will be manufactured in accordance with the EN-1090 Standard.
- All corners will be designed and manufactured to prevent injuries.
- The profiles to be used will be of DX51D+Z quality in accordance with the TS EN10346:2015 standard.
- The sheet materials used will comply with the TS EN 10346:2015 standard.
- The wires used in the panels will be galvanized and will comply with the TS EN 10244:2 standard.
- All bolts and fasteners will be galvanized. It will comply with EN and DIN standards.
- A conical system will be provided in the glass connections, and the glasses will be glazed in a conical shape. Countersunk bolts will be used, and they will not protrude on the glass surface.
- Appropriate conical plastic will be used between the glass and the bolt.
- Plastic washers will be used between the connection piece and the glass.



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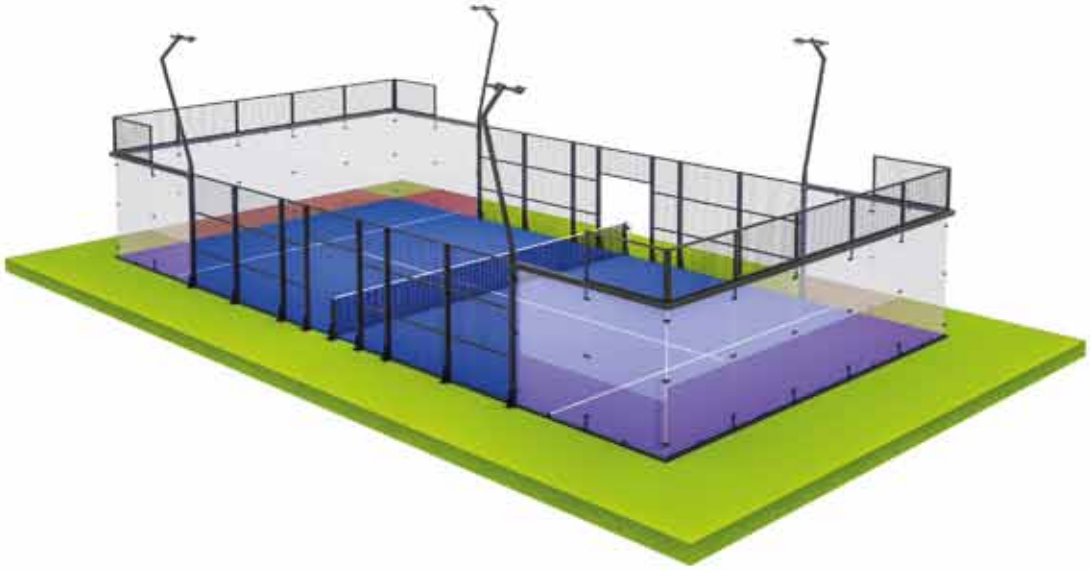
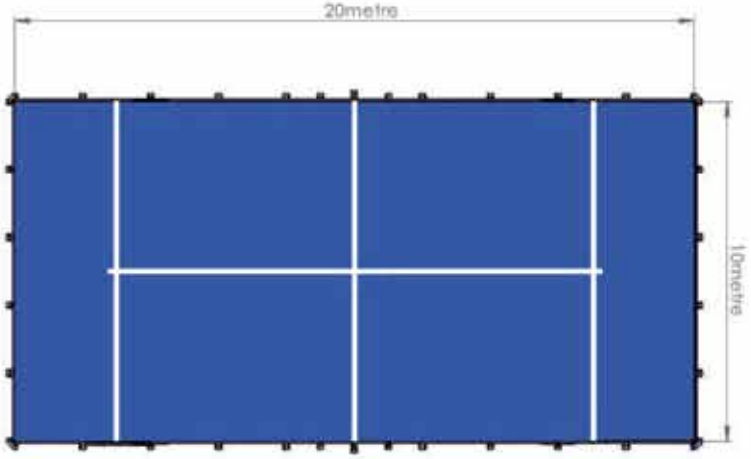
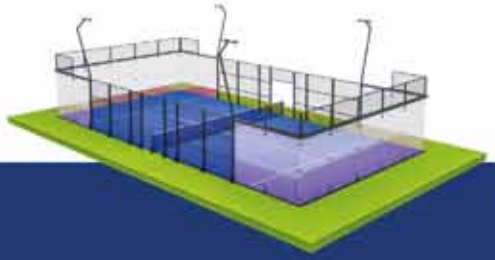
COURT DIMENSIONS



The dimensions of the padel court will be as follows: The usage area of the field is manufactured in 10 m by 20 m dimensions.



The Padel Infinity model is a system where each glass pane is connected to the corner posts and side posts with bolts; in the middle parts, the glasses are connected to each other with metal apparatus, and there are support profiles on the glass on the short sides. The materials used have the following features and their compliance with the standards is important both in terms of assembly of the product and in terms of safety.

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FLOORING COVERİNG DETAILS



DATASHEET

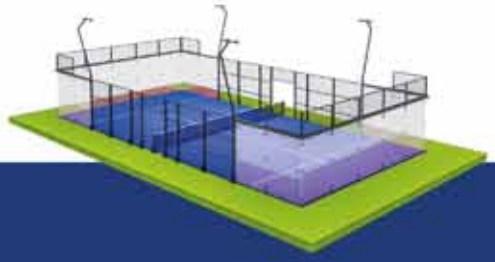
PRODUCT STRUCTURE	
PRODUCTION METHOD :	Tufting Cut Pile
APPLICATION RANGE :	Tennis / Padel / Multisport Fields
PILE HEIGHT :	12 mm (+- 2%)
PILE LENGTH :	13 mm (+- 4%)
STITCHES / WIDTH :	210 Stitches / 100 cm (3/16 Gauge)
STITCHES / LENGTH :	200 Stitches / 100 cm
TOTAL STITCHES :	42.000 Stitches / sqm (+- 5%)
PILE WEIGHT :	1.300 gr / sqm (+- 10%)
TOTAL WEIGHT :	2.300 gr / sqm (+- 10%)
ROLL DIMENSION :	4x25 m. Standart Roll. Special Dimensions for project

PRODUCT STRUCTURE	
DTEX :	9.000 DTEX (+- 10%)
COMPOSITION :	100% Polyethylene
THICKNESS - MICRON :	180(PE) Micron (+- 10%)
COLOR TYPE :	Green / Blue / Red
U.V. PERFORMANCE :	6000 Hours (Weather - 0 Meter te: Tested to DIN 53387
COLOR FASTNESS :	Blue Scale 1-8 > 7
ENVIROMENTAL COMPATIBILITY :	Produced with polymer and color pigments. Do not include anchor o metal. Environmental friendly.

PRODUCT STRUCTURE	
PRIMARY BACKING :	Thiolon D12 - 265 gr / sqm (+- 5%)
BACKING PROVIDER :	Thiolon Netherland
COATING :	Carboxylated (SBR) Latex - 1.000 gr / sqm (+-10%)
COATING PROVIDER :	DOW Germany
ROLL WIDTH :	400 cm
ROLL LENGTH :	According to the project

PRODUCT STRUCTURE	
STABILIZING INFILL :	Silica Sand, Gradation 0,5 - 1,2 mm, Minimum %80 round of shape, Approximately 10 kg / m2
PERFORMANCE INFILL :	





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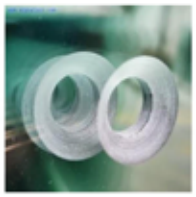
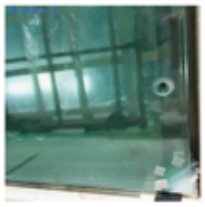
LIGHTING LUMEN DETAILS

- 8 luminaires are used in the Padel Infinity model.
- 200 W luminaires should be preferred.
- The armature to be used will have an aluminum injection body.
- It has a 4 mm tempered glass cover.
- Luminaires with an IP 65 protection class are used.
- The luminous flux of these luminaires is 20,000 lumens.



PADEL GLASS DETAILS



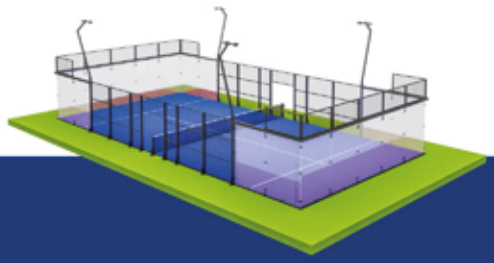


- The permeability value should be at least 90%.
- 10 mm of tempered glass in one piece should be manufactured.
- The edges of the glasses will be sanding.
- Pallets protected against breakage should be used in the shipment of the glasses.
- Connection holes should be manufactured as chamfered conicals.

NET DETAILS

- It has dimensions of 92–95 cm by 995 cm.
- It should be produced using 4mm line or polyester thread.
- It has a hollow structure with a mesh of 40 mm by 40 mm.
- It has 2-by-2 polyester sewing details.
- 60x45x45mm; 1100 D/UV Polyester canvas structure
- 5mm insulated wire rope with carabiner hook tensioning is used.





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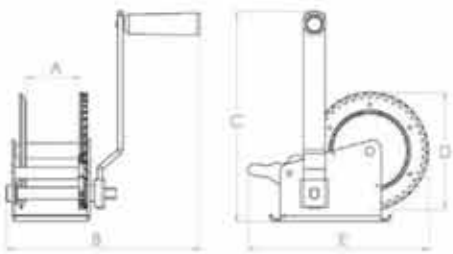
NET TENSIONER APPARATUS DETAIL

- Electrostatically painted sheet materials should be used against corrosion.
- It should have a durable, one-piece sheet metal body structure.
- It should consist of galvanized-coated parts.
- Should have an ergonomic swivel handle.
- It must be manufactured with hardened bushings to resist wear.
- For assembly, it must be done with M10 bolts and nuts.
- For safety, the winch should be mounted with 3 M10 bolts, nuts, and washers.
- It should have a solid brake lever to hold the load.
- A hardened drum bearing should be used.
- Assembly should be done with lubricated rope drum and pinion gear bearings.



Kod	Kapasite	Tahrik Oranı	Takılabile Halat	A	B	C	D	E
KV2	200 kg	3,1:1	5 - 6 mm	50 mm	235 mm	225 mm	100 mm	170 mm







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