



In order to constantly improve the quality of our products, Euronix reserves the right to modify any of the technical characteristics.

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- **DESCRIPTION.**

The Europlay courts designed and developed by Euronix Metal S.L, have been conceived for the padel practice no matter the level of the player; from the basic to the highest.

Fulfill (among others) with:

- Reglementary sports regulations (NIDE 2004 Pádel).
- Regulations of the Padel Spanish Federation (F.E.P).
- Código Técnico de la Edificación español (CTE).
- Instrucción Española del Hormigón Estructural (EHE-08).
- European Technical Approval of Metal Anchors Guideline (ETAG001).
- Design of fastenings for use in concrete (CENT/TS 1992-4).

As general characteristics of the courts, note:

- High quality of the chosen materials.
- High robustness and resistance of the installation.
- Durability of the installation.
- Aesthetic quality and perfect architectural combination with the environment.

Their minimalist design, not disparate with respect to the normative aspects, endow them with a genuine harmony and beauty in today's market.



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- **STRUCTURE.**



The main structure will be metallic with (100x60x3) mm and (80x60x2) mm hot-rolled steel profiles, quality S-275-JR y S-235-J.

The structural system is formed by 26 pillars or posts with their respective anchor plates. Some will have reinforcement triangles and others, posters according to their position on the court.

The posts height will variate between 3,4,6 meters according to their position on the court, and they will be prepared to fasten the correspondent elements that will lay laterally in them: tempered glasses, small meshes or big meshes.

- **METALLIC ENCLOUSURE.**

It will be made with frames manufactured with PDS-26 carpentry pickling profiles, because of being cold rolled profiles, they are endowed of an ideal geometry to put the electro-welded mesh inside the lip.

The electro-welded mesh is manufactured with 50/50/4 mesh, according to the UNE-EN10223-4.

In this way, for the mesh court, would have:

-12 (3000x3000) mm frames, with 2 crossbars each through (30x30x3) mm and (30x20x1,5) mm profiles to give them more rigidity.

-18 (2000x1000) mm frames.

The frames are completely prepared to ensure de perfect verticality with respect to the ground, horizontal levelling and be coplanar to the glasses.

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- **VITREOUS ENCLOSURE: Tempered glass.**

It is compound of 14 (3000x2000) mm colorless tempered glass plates and 4 (2000x2000) mm plates with thickness between 10 or 12 mm in function of the requirements of the client.

The glasses are completely prepared to ensure the perfect verticality with respect to the ground, horizontal levelling and be coplanar to the frames.

The tempered glasses are made through a standardized production process and in accordance with the UNE-EN 12150-1 standard, obtaining the values of:

Test	Value
Flexotraction breaking stress	1.300 – 1.900 kp/cm <sup>2</sup>
Compressive strength	10.000 kp/cm <sup>2</sup>
Resistance to thermal shock	250°C

- **Explanation for 3x2 courts.**

*\*\*\*In the 3x2 court version, the units vary; There are 4 (2000x1000) mm frames less, and the (2000x2000) mm tempered glass plates become to (3000x2000) mm, besides of possible variations of the posts, however, all is perfectly prepared\*\*\**

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- **GLASS-STEEL UNION: Nylon covers y Neoprene-CR.**

The glass-metallic material union is the most fragile point in a padel court, so special care has been taken when designed and choose the materials.

On the one hand, the contact glass-screw is done by interposing Nylon covers that are mechanized with very high precision, in the mechanized of the glass, to get a perfect coupling of the glass countersink and the screw.

On the other hand, the contact glass-angular of the post is done by interposing neoprene mechanized cues with 8 mm thickness to cushion and confer elasticity to the structure.

Test	Test method	Value
Color	-	Black
Specific weight	UNE-53.526	1,65 gr/cm3
Hardness	UNE-53.130	70 Share A
Breaking load	UNE-53.130	120 Kp/cm2
Elongation	UNE-53.130	300%
Resistance to acceleration	-	28 Kg/cm
Working temperature	-	-35°C a +105°C
Oil resistance	ASTM 1 (D.vol)	-2/+8 %

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- **UNION ELEMENTS.**

The anchor of the posts to the foundation is done with post installed anchorages type MTA M14X120 / Chemical cue, whereas the rest of the elements shall be of zinc-plated steel quality 6.8.

- **FINISH.**

- **Paint of the metallic elements.**

Powder coating formulated with polyester resins according to the specifications of the quality mark, with regulatory values:

Test	Regulation
Brightness	ISO 2.813
Coating thickness	NEN 5.335
Adhesion	EN ISO 16.279-2
Impact test	EN ISO 6.272-1
Polymerization test	---
Resistance to mortar	ASTMD 3.260
Resistance to boiling water	---
Salt spray test	ISO 9.227
Resistance to moisture in a constat atmosphere	ISO 6.270:1.980
Color resistance test	ISO 3.231
Accelerated aging test	EN ISO 11.341
Natural aging (Florida)	ISO 2.810

- **Hot-dip galvanizing of metal elements.**

Process carried out according to the UNE-EN ISO 1.461-2.009 standard.

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- **TECHNICAL DOCUMENTATION.**

At the moment of the delivery and installation of the padel courts, there will be given to the client:

- Certificate of conformity of the installation
- Technical specifications of the materials used
- Detailed installation plans
- Quality certificate from Euronix Metal, S.L.



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