

DEFINITION

Sports fields with synthetic grass flooring, surrounded by steel construction, glass, and steel mesh where padel can be played

AREAS OF USAGE

Outdoor areas

FEATURES

This type of padel court is constructed according to the rules and standards of padel and provides comfortable sports opportunities.



ORIGIN REINFORCED PADEL COURT

TECHNICAL DETAILS		
Dimensions	Width: 10 meters	Length: 20 meters
Infrastructure - Concrete Beam	Width: 40 cm - Length: 50 cm	Concrete C30
Infrastructure - Field Concrete	C20 field concrete with 15 cm thick steel mesh	
Water Drainage	The concrete floor is inclined 0.5% in one direction and the water is discharged from the surface.	
Steel Construction	Double Corner Columns: 60 x 120 x 3 mm Beams: 40 x 60 x 2,5 mm Modular bolted system	Center Columns: 80 x 120 x 3 mm Additional Columns: 80 x 120 x 3 mm Height: 3 - 4 m
Steel Mesh	Mesh Size: 50 mm * 50 mm	Wire Thickness: 4 mm
Steel Surface Coating	Electro Galvanized Coating	Electrostatic Powder Coating
Resistance	Maximum Wind Speed: 210 km/h	
Glass	10 mm Tempered Glass	
Lighting	8 Pieces 200 W LED Projector	
Synthetic Grass	11 - 13 mm FB - MFF - TXT	
Equipment	Padel Posts and Net	

APPLICATION METHOD	
Concrete Beam	Plywood molds should be connected and the process should be done solidly.
Infrastructure	The existing ground should be well compacted and leveled. It should be inclined in one direction. There should be no corrugation on the floor and the court must be concrete.
Steel Construction	Welding and painting works must be done in the factory and the steel construction should be mounted on the ground with screws in the court.
Steel Mesh	It is fixed to the columns with fasteners.
Glass	It is fixed to the steel construction with special glass fasteners.
Lighting	Lighting projectors are fixed by adjusting their angles and spacing to illuminate the entire court.
Synthetic Grass	Synthetic grasses obtained from special PE raw materials, with high resistance UV additives and produced in accordance with game performance, are combined in place with Joint Tape and PU Glue in accordance with the project. Lines are placed using the original self-colored white synthetic turf. Then, the field is filled with sand filling material in accordance with international criteria and the final stage is started. After leveling and brushing, the game is ready to play. The synthetic turf system is produced in accordance with the ball bounce criteria in padel games.
Equipment	Padel poles and net are installed.

COLOURS		
Steel Construction	Standard: Black	Optional: All Ral Codes
Steel Mesh	Standard: Black	Optional: All Ral Codes
Synthetic Grass	Synthetic Grass Carpet: Green, Blue, Red	

PACKAGING TYPES

Steel Construction	It is shipped on pallets that are produced in special sizes and bonded.
Steel Mesh	It is shipped on pallets that are produced in special sizes and bonded.
Glass	It is shipped on wooden pallets.
Lighting	It is shipped in boxes of special sizes.
Synthetic Grass	It is shipped in 2 and 4 meter length rolls. Joint tape comes in 1.4 m rolls. The glue comes in two-component buckets.
Silica Sand (Optional)	Silica sand comes in 50 kg sacks.
Other	Various, Pallet, Sack and Free products

PRODUCT STORAGE CONDITIONS

Adhesive and Derivative	Between +5 and +30 degrees
Other Materials	Between -10 and +40 degrees

PRODUCTION AND INSTALLATION PROCESS

Infrastructure	Preparation: 2 days	Application: 5 days	Cannot Be Done Simultaneously
Steel Construction	Production: 10 days	Installation: 2 days	Can Be Done Simultaneously
Steel Mesh	Production: 7 days	Installation: 1 days	Can Be Done Simultaneously
Glass	Production: 15 days	Installation: 1 days	Can Be Done Simultaneously
Lighting	Supply: 2 days	Installation: 1 days	Can Be Done Simultaneously
Synthetic Grass	Production: 7 days	Installation: 2 days	Cannot Be Done Simultaneously
Equipment	Production: 2 days	Installation: 1 days	Can Be Done Simultaneously

GUARANTEE PERIODS

Steel Construction	5 Years	
Paint	5 Years	The paint on the surface should not be removed by external impacts.
Steel Mesh	3 Years	The paint on the surface should not be removed by external impacts.
Glass	2 Years	It should not be damaged on corner points.
Lighting	2 Years	
Synthetic Grass	3 Years	
Equipment	2 Years	

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