

## APPLICATION AREAS

Mini Football Fields, Practice Fields and Professional football Fields.

## SYSTEM DESCRIPTION

Integral Power grass system is one of the most common products preferred in professional football fields. It conforms to international standards.



## FEATURES

With its performance similarity to natural grass, Power grass can maintain its performance for many years due to its special polyethylene material. In addition, due to its UV resistance, the color quality is maintained and the player and the spectators enjoy the natural grass pleasure for many years.

# POWER GRASS





### TECHNICAL INFORMATION

<b>Felt</b>	Mealy – White	150 Gr – 500 Gr	
<b>Shock Pad</b>	Cross-Linked Polyethylene	8 – 20 MM	30 – 50 Density
<b>Synthetic Grass</b>	40 MM – 45 MM - 50 MM – 55 MM – 60 MM POWER GRASS		
<b>Backing</b>	165 GR PP BACKING		
<b>Latex</b>	1.000 GR – 1.100 GR LATEX		
<b>Yarn</b>	7.500 – 10.000 DTEX	%100 PE Monofilament	
<b>Number of Stiches</b>	8.288 – 10.200 Units		
<b>Yarn Weight</b>	600 Gr – 1.042 Gr		
<b>Carpet Weight</b>	1.845 Gr – 2.287 Gr		
<b>Joint Tape</b>	450 GR Tarpaulin		
<b>Adhesive</b>	21 + 4 KG Double Components Polyurethane Adhesive		
<b>Silica Sand</b>	0.2 – 1.0 MM Dried and Baked Round Silica Sand (20- 35 Kg)		
<b>Granule</b>	1 - 3.5 MM Black SBR Rubber Granule without Dust (5-9 Kg)		
<b>Optional</b>	Shock Pad, Grey or Green Epdm Infill		

### INSTALLATION METHOD

<b>Subbase</b>	The stone ships surface will be leveled in a complete anolar form according to the special code of the football field.
<b>Felt</b>	Protective and sand-holding material under the grass carpet is spread by wetting it.
<b>Shock Pad</b>	It is optional, the rolls are laid and combined with special tape.
<b>Synthetic Grass</b>	The grass rolls are laid side by side according to the project, and the joints are cut and combined.
<b>Field Line</b>	The field lines are original white-yellow grass carpets cut into 8-12 cm width and laid on the grass field.
<b>Joint Tape</b>	Joint Tape is used to connect grass carpet pieces together.
<b>Adhesive</b>	Thoroughly mixed two-component adhesive is applied to the joint tape and placed between two grass carpet pieces, ensuring that the edges of the grass carpets are in good contact with the adhesive.
<b>Silica Sand</b>	Silica sand is applied equally to grass carpet with special equipment and machines. Level correction is then performed.
<b>Granule</b>	The rubber granules are then applied equally with special equipment and machines after silica sand, and then the final level correction is made to make the field ready to play game.

### COLORS

<b>Grass Carpet</b>	Light Green, Dark Green, Mixed Green
<b>Grass Carpet Line</b>	White, Yellow, Red
<b>Outside the Line</b>	Green, Red





## ADVANTAGES

<b>Grass Carpet</b>	With its similarity to natural grass in FIFA standards, ideal for cold and hot countries
<b>Shock Pad</b>	It is an important product due to its shock absorption feature.
<b>Silica Sand</b>	It has the ability to drain the water 100%, it helps to stable grass carpet by its weight.
<b>Granule</b>	It provides the closest performance to natural grass in shock absorption, ball rolling and ball bouncing in ball jumping provide the closest performance.

## PRODUCT PACKAGING

<b>Felt</b>	It is rolled up in 2 M width.
<b>Shock Pad</b>	It is rolled up in 1.5 M width.
<b>Grass Carpet</b>	It is rolled up in 4 M width.
<b>Joint Tape</b>	It comes in roll.
<b>Adhesive</b>	21+4 KG buckets.
<b>Silica Sand</b>	50Kg/1000 Kg bags.
<b>Granule</b>	50 Kg/1000 Kg bags.
<b>Other</b>	Variously, pallets, sacks and at large products.

## PRODUCT STORAGE

<b>Adhesive and Its Derivative</b>	Unopened packages can be stored between +5 and +30 degrees for 12 months.
<b>Other Materials</b>	Unopened packages can be stored between 0 and +40 degrees for 24 months.

## DELIVERY AND INSTALLATION PERIODS

<b>Subbase</b>	Preparation: 1 Day	Construction: 2-7 Days	Can not work simultaneously
<b>Shock Pad</b>	Production: 10 Days	Installation: 1-2 Days	Can not work simultaneously
<b>Grass Carpet</b>	Production: 10 Days	Installation: 2-7 Days	Can not work simultaneously
<b>Silica Sand</b>	Production: 10 Days	Installation: 1-5 Days	Can not work simultaneously
<b>Granule</b>	Supplying: 7 Days	Installation: 1-2 Days	Can not work simultaneously

## WARRANTY PERIODS

<b>Grass Carpet UV Warranty</b>	3-7 YEARS	% 5 Tolerance
<b>Grass Carper Yarn Breakage</b>	3-7 YEARS	% 10 Tolerance
<b>Silica Sand</b>	3-7 YEARS	% 15 Tolerance
<b>SBR Granule</b>	3-7 YEARS	% 10 Tolerance
<b>Installation Warranty</b>	2 YEARS	5 years with maintenance contract



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## EXAMPLES OF APPLICATIONS



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