

APPLICATION AREAS

Mini Football Fields, Practice Fields and Professional Football Fields.

SYSTEM DESCRIPTION

Duo Grass System is one of the most common products preferred in professional football fields.



FEATURES

With its performance similarity to natural grass, Duo 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.

DUO GRASS





TECHNICAL INFORMATION

Felt	Mealy – White	150 Gr – 500 Gr	
Shock Pad	Cross-Linked Polyethylene	8 – 20 MM	30 – 50 Density
Synthetic Grass	25 MM – 26 MM – 30 MM – 40 MM – 45 MM - 50 MM – 55 MM – 60 MM DUO GRASS		
Backing	165 GR – 220 GR PP BACKING		
Latex	800 GR – 900 GR LATEX		
Yarn	5.000 - 5.500/1 DTEX	%100 PE Fibrile	
Number of Stiches	11.475 – 22.365 Units		
Yarn Weight	688 Gr - 1.161 Gr		
Carpet Weight	1.666 Gr – 2.286 Gr		
Joint Tape	450 GR Tarpaulin		
Adhesive	21 + 4 KG Double Components Polyurethane Adhesive		
Silica Sand	0.2 – 1.0 MM Dried and Baked Round Silica Sand (20- 35 Kg)		
Granule	1 - 3.5 MM Black SBR Rubber Granule without Dust (5-9 Kg)		
Optional	Shock Pad, Grey or Green Epdm Infill		

INSTALLATION METHOD

Subbase	The Stone Chips surface will be leveled in a complete anolar form according to the special code of the football field.
Felt	Protective and sand-holding material under the grass carpet is spread by wetting it.
Shock Pad	It is optional, the rolls are laid and combined with special tape.
Synthetic Grass	The grass rolls are laid side by side according to the project, and the joints are cut and combined.
Field Line	The field lines are original white-yellow grass carpets cut into 8-12 cm width and laid on the grass field.
Joint Tape	Joint Tape is used to connect grass carpet pieces together.
Adhesive	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.
Silica Sand	Silica sand is applied equally to grass carpet with special equipment and machines. Level correction is then performed.
Granule	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

Grass Carpet	Light Green, Dark Green, Mixed Green
Grass Carpet Line	White, Yellow, Red
Outside the Line	Green, Red





ADVANTAGES

Grass Carpet	With its similarity to natural grass in FIFA standards, ideal for cold and hot countries
Shock Pad	It is an important product due to its shock absorption feature.
Silica Sand	It has the ability to drain the water 100%, it helps to stable grass carpet by its weight.
Granule	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

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

PRODUCT STORAGE

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

DELIVERY AND INSTALLATION PERIODS

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

WARRANTY PERIODS

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



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EXAMPLES OF APPLICATIONS



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