

## PU GRASS 149

### SPECIAL PU GLUE FOR JOINTING THE ROLLS OF SYNTHETIC GRASS

#### GENERAL CHARACTERISTICS

**PU GRASS 149** is a two component, solvent free adhesive for synthetic turf. It is used for bonding of synthetic turf in the area of seams and game line markings on a polyester jointing tape.

- Provides good coverage, high strength and durability, high moisture and chemical resistance, as well as heat and age resistance.
- Non shrinking, non flammable adhesive.
- Suitable for asphalt and concrete (sufficient strength and hardness is required)
- **PU GRASS 149** is certified as a joint connection in artificial turf football constructions according to the requirements of the International Artificial Turf Standard EN 15330-1.

#### TECHNICAL DATA

Basis:	two-component polyurethane resin
Appearance:	liquid
Colors:	green
Viscosity(A+B):	19000 ± 1000 mPa•s at 23°C
Density (A+B):	1,55 ± 0,05 gr/cm <sup>3</sup>
Mixing proportion (A:B):	100:11,7 by weight
Application time:	approx.40min at 23°C
Mean direct tension strength and peel strength (requirement ≥25N/mm)	before ageing: 89 after ageing: 82
Temperature for the application and drying of the material:	15 - 25°C

#### PREPARATION - APPLICATION

**Applied only on dry surfaces. Protected from arising humidity and free of materials that might prevent bonding e.g. dust, loose particles, grease etc.** The success in the application depends on the right preparation of the underlay and use of the material.

- **Good, dry** cleaning of the surface from dust and residues using brushes and air spray.
- Caution must be taken so that the temperature remains between 15 and 25 °C during mixing, application and for the first 24 hours in order to retain proper bonding and curing.

#### Thessaloniki Office

10, 25<sup>th</sup> Martiou str., N. Efkarpia,  
P.C.: 56429, Thessaloniki Greece  
T.: (+30) 2310 680105, (+30) 2310 680382  
F.: (+30) 2310 692866

e-mail: [exports@polat.gr](mailto:exports@polat.gr)

#### Athens Office

109, Vouliagmenis Avenue, Glifada,  
P.C.: 16674, Athens Greece  
T.: (+30) 210 9647320  
F.: (+30) 210 9646317

[www.polat.gr](http://www.polat.gr)



- Good mixing of components A (resin) & B (hardener) packed into separate containers in fixed weight proportions. Mixing should be performed using a 300-600 rpm mixer for 3-4 min until a uniform mass is obtained. Stirring of the mixture should be performed thoroughly near the sides and bottom of the container in order to achieve uniform dispersion of the hardener.
- The mixed adhesive **PU GRASS 149** is applied using a notched trowel on the woven side of a polyester jointing tape, in an amount that provides good wetting and bonding of the covering.
- The joints should be closed within 40 min. Press on with roller and repeat rolling after setting has started.

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#### CONSUMPTION

- 0,8-1,0 kg/m<sup>2</sup> depending on the covering

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#### APPLICATION TOOLS

notched trowels. Tools should be cleaned with **PU SOLVENT 133** immediately after use.

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#### PACKAGING

Supplied in sets of 24 kg, 13 kg and 4,5 kg (two drums). Components A and B have the fixed weight proportion.

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#### STORAGE

One year in unopened containers in dry places with minimum temperature 5°C.

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#### REMARKS

- Working time of **PU GRASS 149** decreases when ambient temperature rises.
- Avoid application of **PU GRASS 149** during rain, moist or foggy weather.
- Prolonged storage of partially used containers containing **PU GRASS 149** must be avoided as contact with atmospheric moisture will result in skinning and clouding of the product.
- After hardening **PU GRASS 149** is completely safe for health.

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#### CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water. Flammable before application.

**For more information consult the material safety data sheet.**

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The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of POLAT S.A.

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