

Product 02297000

2-COMP-PU ADHESIVE for bonding of construction joints of synthetic turf,

1 General Data

Application Fields

PORPLASTIC B970 is used for sports surfaces as bonding agent for the construction joints of synthetic turf and the seam tapes below the joints.

Product Description

PORPLASTIC B970 is a pigmented and solvent free two component PU-based adhesive suitable for the application by spatula.

PORPLASTIC B970 exhibits outstanding performance abilities. It is easy to apply and produces a resistant, tough elastic film with excellent mechanical properties. It has a long pot life and shows good curing even on thin layers and at low temperatures and is even tolerating humidity while curing.

Tested Sports Surfacing Systems

water-permeable synthetic turf systems
as in the PORPLASTIC**GREEN** system range

Technical Support

For detailed descriptions of PORPLASTIC systems see PORPLASTIC system data sheets or contact our technical support.

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(A) Technical Data

Mixture (A+B)

1. Density (23°C) (DIN 53217)	1.57 g/cm ³
2. Viscosity (23°C)	thixotropic
3. Shore Hardness (at 23°C / 50% rel. humidity) after 24 h after 28 days	80 (Shore A) 60 (Shore D)
4. Packing size	Comp. A: 15 kg Comp. B: 3 kg
5. Mixing Ratio	100 : 20
6. Colour	oxide green
7. Shelf life / Storage	12 months at 10–25°C avoid direct sunlight
8. Permissible relative humidity	min. 30% – max. 90%
9. Substrate and application temperature	10 – 35 °C (min. 3°C above dew point)
10. Pot life	at 12°C ca. 60 minutes at 23°C ca. 40 minutes at 30°C ca. 25 minutes
11. Can be walked on (23°C)	ca. 10 hours
12. Material consumption	0.3 – 0.4 kg/m
13. Tensile strength (DIN 53504)	ca. 14 N/mm ²
14. Elongation at break (DIN 53504)	ca. 55 %
15. Tear strength (DIN 53515)	ca. 34 N/mm ²

Licensed Producer:

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2-COMP-PU ADHESIVE for bonding of construction joints of synthetic turf,**2 Processing Instructions****Processing**

PORPLASTIC B970 is ready-to-apply and supplied in the correct proportions of component A (resin) and component B (hardener). For application pour component B completely into the container of component A (mixing ratio is then 100 : 20 parts by weight). Use a slow rotating mixer rotating at approximately 300 – 500 rev/min for at least 3 – 4 minutes until the blend is homogeneous and streak free. Ensure that the mixer reaches the sides and bottom areas of the mixing vessel. Pour the mix into another clean container and mix it again for one additional minute.

Processing temperature of both components should be between 15 – 25°C.

Depending on the colour PORPLASTIC S675 can show a slight chalking or discoloration when it is exposed to UV-light. In this case an additional coating with a UV-resistant sealing in the same colour will be the best protection.

For further information please contact our technical service.

Bonding of joints:

The joint side of the turf panels is folded back for a width of ca. 40 cm. A seam tape with a breadth of 30 cm is spread with a sufficient quantity of PORPLASTIC B970 by using a suitable spatula (consumption ca. 0.3 – 0.4 kg/running meter). Seam tape and joint have to be clean and dry. The back folded turf panels are put back onto the tape and loaded down with weights for approx. 15 minutes. Avoid tension and crinkles.

The substrate temperature must not exceed 50°C.

While and after application, the adhesive has to be protected from direct contact with water. Therefore no application is possible during (expected) rain periods.

At low temperatures and humidity, the speed of reaction is reduced resulting in a longer pot life. The speed of reaction is accelerated at high temperatures and humidity and the converse is true. Direct sunshine shortens the time frames considerably.

Cleaning

Tools should be cleaned using VIASOL SO-X12. Never use water or alcoholic solvents as cleaners!

Safety Instructions

For health and safety protection, transport regulations and waste management please consider the Material Safety Data Sheet. Users are advised to wear gloves and eye protection when mixing or applying PORPLASTIC B970.

Disclaimer

All information in this technical data sheet is based on our current knowledge and experience. This does not release the applicator from performing their own tests as many application factors, beyond our control, affect the application of our product. No guarantee of characteristics or suitability for a special purpose can be derived from this information. All present data, descriptions, drawings, photos, ratios, weights etc. are subject to change without prior notice and do not represent contracted characteristics of the product.

Due to different materials, sub-bases and working conditions, no guarantee of an application result or any liability claims can be derived from these details or from an unwritten technical advice except for liability claims based on:

- damage to life, body or health resulting from a negligent violation of obligations or a deliberate or negligent violation of obligation of a legal representative or assistant and
- if we are charged with intention or gross negligence.

The user has to test the products for their intended use. The user is responsible for following existing laws and orders and for observing third party trade mark rights.

As all PORPLASTIC data sheets are updated on a regular basis it is the users responsibility to obtain the most recent issue (see www.porplastic.com or contact us directly).