

Product 02297600

2-comp. PU adhesive for bonding of elastic mats, beige

1 General Data

Application Fields

PORPLASTIC B976 is used for INDOOR and OUTDOOR sports surfaces as filling component for bonding PUR-SBR mats used as elastic layer for sports surfaces on asphalt, concrete and PUR substrates.

Product Description

PORPLASTIC B976 is a solvent free two component PU-based adhesive suitable for the application by spatula. PORPLASTIC B976 exhibits outstanding performance abilities. It is easy to apply, has a long pot life and shows good curing even on thin layers and at low temperatures and is even tolerating humidity while curing.

Sports Surfacing Systems

Adhesive for elastic layers under sports surfaces for:
 PORPLASTIC **INDOOR/OUTDOOR** systems
 PORPLASTIC **multitop** systems
 PORPLASTIC **TENNIS** systems

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)	ca. 1.6 g/cm ³
2. Viscosity (23°C)	thixotropic
3. Shore Hardness after 24 h (Shore A) after 28 days (Shore D)	(23°C/50% rel. hum.) A 80 D 70
4. Packing size	Comp. A: 20kg Comp. B: 4 kg
5. Mixing Ratio	100 : 20
6. Colour	beige
7. Shelf life / Storage	12 months at 10–30°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. 50 minutes at 23°C ca. 30 minutes at 30°C ca. 20 minutes
11. Can be walked on (23°C)	ca. 10 hours
12. Material consumption	0.8 – 1.5 kg/m ²
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

Manufacturer:

 VIACOR Polymer GmbH, Graf-Bentzel-Str. 78, D-72108 Rottenburg, Tel. +49/7472-94999-0, info@viacor.de, www.viacor.de

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2 Processing Instructions

Substrate preparation

The bearing substrate (concrete, asphalt or PUR layer) has to be hard and dry and free of loose and brittle particles and substances which impair adhesion such as oil, grease, paint or other contaminants.

The bonding strength of the substrate must be at least 1.0 N/mm², the moisture content must not exceed 3.5% and the temperature of the substrate must be at least 3 degrees above the current dew point.

For achieving an optimal adhesion it is necessary to apply e. g. VIASOL EP-P210 as primer (imperative on concrete).

For new, dry and clean PUR-layers PORPLASTIC B976 can be applied without further treatment. After 3 days the layer has to be grinded before applying PORPLASTIC B976.

Processing

PORPLASTIC B976 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 100 : 20 parts by weight). Processing temperature of both components should be between 15 – 25°C.

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.

Bonding of mats and tracks:

The filling component is spread using a toothed spatula in the width and length of the whole mat. Afterwards the mat is rolled into the prepared substrate and the start and endpieces as well as middle pieces are loaded down with weights. Material consumption depends on the used toothed spatula and on the substrate. After 30-60 minutes (depending on temperature) the mats can be rolled over using a 50 kg roller to avoid blisters and crinkles.

The substrate temperature must not exceed 50°C.

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.

There should be no water contact with the material within 15-20 hours during and after application.

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 B976.

PORPLASTIC B976 is non-hazardous in its cured condition. The product meets the requirements of the EC directive 2004/42/EC for VOC content.

CE-Mark

CE-Mark according to EN 14904

Details see CE-conformity mark and conformity declaration.



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).

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