Goodspeed T775 **Technical Data Sheet**

(Formerly known as PORPLASTIC T775) **Product 02277501 or 02277510**

1-comp. -PU BINDER for elastic layers under synthetic turf, moisture curing

1 General Data

Application fields

Goodspeed T775 is used for elastic sports surfaces as binder for in situ base mats with recycled rubber granules. Typical uses are elastic mats under synthetic turf surfaces.

Product Description

Goodspeed T775 is a transparent and solvent free single component PU-Binder. It is based on MDI/TDI with a content of monomeric TDI lower than 0,5% and suitable for high and low temperature applications.
The defined viscosity of Goodspeed T775 effects an excellent mixing with rubber granules while there is hardly any run-off from the granules. Another characteristic is the long curing and therefore application time allowing day construction joints to be easily and correctly done.
The yellowing that occurs when Goodspeed T775 is exposed to UV-light does not affect its mechanical properties.
Goodspeed T775 is moisture curing.

Tested Sports Surfacing Systems

Binder for elastic base mats for Goodspeed ***GREEN*** synthetic turf systems (DIN 18035/7)

Technical Support

For detailed descriptions of Goodspeed systems see Goodspeed system data sheets or contact our technical support.
Phone: +49 174 310 2273
E-Mail: info@porplastic.de

(A) Technical Data	
Liquid (Binder)	
1. Density (23°C) (DIN 53217)	1,04 g/cm³
2. Viscosity (23°C)	ca. 4100 mPas
3. Packing size	220 kg drum 1050 kg IBC
4. Colour	yellow
5. Shelf life / Storage	12 months at 10–25°C avoid direct sunlight
6. NCO content (DIN 53185)	ca. 9.0 %
7. Substrate and application temperature	10-35°C (mind. 3°C above dew point)
8. Permissible relative humidity	min. 40% – max. 90%
9. Can be walked on (depending on rel. humidity) at 12°C at 23°C at 30°C	 after 48 – 72 hours after 24 – 48 hours after 18 – 24 hours
10. Setting point	5ºC
11. Material consumption Goodspeed ***ES15*** (15 mm thickness with SBR-granules 2 – 4 mm) Goodspeed ***ES20*** (20 mm thickness with SBR-granules 2 – 4 mm) Goodspeed ***ES25*** (25 mm thickness with SBR-granules 2 – 7 mm) Goodspeed ***ES30*** (30 mm thickness with SBR-granules 2 – 7 mm) Goodspeed ***ET35*** (35 mm thickness with SBR-granules 2 – 7 mm and chippings 2-7 mm)	 ca. 1.2 kg binder + ca. 10 kg granules ca. 1.6 kg binder + ca. 13 kg granules ca. 1.9 kg binder + ca. 16 kg granules ca. 2.4 kg binder + ca. 20 kg granules depending on fillers

Distributor: Goodspeed America Inc., 24624 Interstate 45 North, Suite 200 • Spring, Texas 77386, U.S.A.,
bstorey@goodspeed-america.com | www.goodspeed-america.com

Manufacturer: PORPLASTIC Sportbau von Cramm GmbH, Dieselstr. 14 96450 Coburg, Germany, tel. +49 174 310 2273 |
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2 Processing Instructions

Substrate Preparation

The dry and load bearing substrate (asphalt or concrete) has to be clean and free of loose particles and substances which impair adhesion such as oil, grease, paint or other contaminants. For achieving an optimal adhesion between the elastic mat and the substrate it is necessary to apply Goodspeed P270 as primer (imperative on concrete).
The installation of the rubber granule mat should then be realized 4 – 6 hours after the primer.

Processing

The binder is mixed with dry recycling rubber granules (size 1 – 4 mm for meeting DIN standards). Use a forced mixer rotating at approximately 300 rev/min for 3 – 5 minutes. Ensure that the mixer reaches the sides and bottom areas of the mixing vessel. Processing temperature should be between 15 – 25°C.
The mixture is then spread on the prepared substrate and carefully compacted in order to achieve good surface strength by using a specially designed paving machine.
Construction joints should be done before the material has significantly cured with particular attention, to avoid cracks and weak parts in these areas. Joints may be reworked with tamper and trowel and if already cured be primed with Goodspeed P270 before the next installation part.

Mixing ratio of recycling granules and binder: **100 : 12** (parts by weight).
These proportions have to be kept as otherwise a decrease in mechanical characteristics will be the consequence and the requirements of DIN 18035 might not be met.

Rubber / EPDM Granules:
We recommend only to use recycling rubber granules that have been tested and shown to be suitable for the application with Goodspeed T775.
In any case ensure that granules are dry as moisture will accelerate the curing of the binder making installation more difficult or even impossible and may result foaming in the binder, leading to an uneven surface and a week mat.

Influence of humidity and temperature.
At low temperatures and humidity, the speed of reaction of the binder is reduced resulting in a longer pot life, re-coating interval and open time. The viscosity increases requiring increased mixing time and a higher consumption of binder.
In contrary the speed of reaction is accelerated at high temperatures and humidity and the converse is true.

When the humidity is below 40% the mat may be mist sprayed with water to avoid unacceptable curing times, which could impair the quality of the elastic layer.

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 Goodspeed T775. Goodspeed T775 is non-hazardous in its cured condition.

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 Goodspeed 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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