Goodspeed T760 **Technical Data Sheet**

(Formerly known as PORPLASTIC T760) **Product 02276000**

Partially colour stable BINDER for EPDM elastic layers, 1 comp. PU, moisture curing

1 General Data

Application Fields

Goodspeed T760 is used for elastic sports surfaces as a binder for partially colour stable EPDM granule mats. Typical uses are ball game courts, multi-purpose and tennis courts, athletic tracks as well as school and other playgrounds.

Product Description

Goodspeed T760 is a clear to yellowish transparent, solvent free single component PU-binder of medium viscosity with a content of monomeric TDI lower than 1 %. The viscosity of Goodspeed T760 effects an excellent mixing with rubber granules while there is hardly any run-off from the granules. Another characteristic is the long curing time that allows the easily and correctly done application of day construction joints.
Goodspeed T760 is moisture curing.
There is a good colour stability against UV-light. Depending on the used granules slight colour changes may ap- pear.

Sports Surfacing Systems

Binder for Goodspeed ***RACE*** top layers:
Goodspeed ***2S game+track***: 2-Layer-Systems
Goodspeed ***EP court***: coloured EPDM-mats
Goodspeed ***FUN***: top layers for playgrounds

Technical support

For more systems and detailed information on Goodspeed products please refer to Goodspeed system and product data sheets or contact Goodspeed technical support directly:
Phone: +49 174 310 2273
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(A) Technical Data

	Liquid (Binder)	
1.	Density (23°C) (DIN 53217)	1.05 g/cm³
2.	Viscosity (23°C)	ca. 3.300 ± 700 mPas
3.	Packing size	210 kg drum / 25 kg pail
4.	Colour	Clear to yellowish transparent
5.	Shelf life / Storage	12 months at 10°C-25°C avoid direct sunlight
6.	NCO content (DIN 53185)	ca. 9,0 ± 0,5 %
7.	Substrate and application temperature	10°C – 35 °C (min. 3 °C above dew point)
8.	Permissible relative humidity	min. 40% – max. 85%
9.	Can be walked on (12°C + 60% rel. hum.) (23°C + 60% rel. hum.) (30°C + 75% rel. hum.)	 after ca. 48 hours after ca. 38 hours after ca. 12 hours
10.	Setting point	5°C
11.	Material consumption layer thickness 10 mm Binder (20 % by weight) EPDM (size 1 – 3 mm)	 ca. 2 kg binder + ca. 10 kg EPDM

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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 or SBR elastic layer it is necessary to apply a primer, e. g. Goodspeed P270 (Goodspeed P274 or FLOORFINDER EP-P210 is imperative on concrete).
The installation of the rubber granule mat should be realized within the overcoating interval of the primer.

Processing

The binder is mixed with dry EPDM granules. 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°C – 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 EPDM granules (1-3 mm) and binder:
100 : 20 (parts by weight)
These proportions have to be kept as otherwise a decrease in mechanical characteristics will be the consequence.

EPDM Granules:
We only recommend the use of EPDM granules that have been tested and shown to be suitable for the application with Goodspeed T760.
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 temperature and humidity:
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 Instruction

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 T760. Goodspeed T760 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 trademark rights.

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

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