(Formerly known as PORPLASTIC C4001) **Product 02252400**

SPIKE RESISTANT SELF LEVELLING LAYER for sports surfaces, 2 comp. Polyurea

1 General Data

Application Fields

Goodspeed C4100 is used for elastic sports surfaces as self-levelling layer for durable and highly resistant in- door sports floorings. Typical uses for these high-quality systems are point- or small-area elastic floorings for sports halls.
There is a minimum thickness of 4mm when using for spike usable sports floor. Nevertheless, spike traces cannot be avoided completely. But the high tear resistance prevents, that the punctual injuries caused by spikes are getting bigger.
We recommend the use of pyramidal spikes, no longer than 5mm.

Product Description

Goodspeed C4100 is a pigmented and spike resistant, two component PU self levelling layer with outstanding and lasting elastic properties, durability and wear resistance.
It shows excellent curing behaviour and shows high values of final strength. For increased UV- and colour stability, use a top finish on Goodspeed C4100.

Sports Surfacing Systems

-Point-, mixed or combined elastic
Goodspeed ***INDOOR*** PU-systems

- Goodspeed ***INDOOR PEL spike***

Technical Support

For detailed descriptions of Goodspeed systems see Goodspeed system data sheets or contact our technical support.
Phone: +49 174 310 2273
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(A) Technical Data

	Mixture (A+B)	
1.	Density (23°C) (DIN 53217)	1.28 g/cm^3
2.	Viscosity	4000 – 5000 mPas
3.	Shore-Hardness (after 7 days) (EN ISO 866)	ca. A70 23°C, 50% rel humidity
4.	Packaging size	Comp. A: 11.4 kg Comp. B: 13.6 kg
5.	Mixing ratio A : B (parts by weight)	100 : 120
6.	Colour	on request
7.	Shelf life / Storage	12 months at 10–25°C
8.	Permissible relative humidity	min. 30% - max. 80%
9.	Substrate and application tem-perature	10 – 30°C (min. 3° above dew point)
10.	Processing time (23°C)	max. 15 minutes
11.	Can be walked on (depending on circumstances)	after 8 – 10 hours
12.	Material consumption per layer	2.5 – 2.7 kg/m²
13.	Tensile strength (DIN 53504)	ca. 12.1 N/mm²
14.	Elongation at break (DIN 53504)	ca. 800 %

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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

Goodspeed C4100 is usually applied on pre-fabricated or in situ rubber granule mats sealed with Goodspeed L375, PU foam mats or other PU-coatings. In case of coatings or pore sealer older than 3 days, grinding of the surface or an applied primer is necessary. The application of Goodspeed C4100 should best be realized 8 – 10 hours after the previous layer (at least within 24 hours). Substrates to be coated have to be dry, load bearing, clean and free of loose particles and contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance.

For application on other substrates such as wood, test have to be performed to find the right primer. In case of application to concrete, FLOORFINDER EP-P210 has to be used as a primer.

Processing

Goodspeed C4100 is supplied in the correct proportions of component A and B. The optimal processing temperature is between 15 – 25°C. Component A has to be homogenized before application. For application pour component A and B into a mixing container in the right mixing ratio. 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.

The well mixed material should be used of the drum quick and directly and is applied on the pre-treated substrate with a rubber tooth rake (10mm). We recommend to roll the still liquid coating with a metal spiked roller (e. g. Multitool) to ensure optimal de-foaming. It is recommended to wear spiked shoes for this operation which enable the applicator to walk in the freshly applied coating.

After the application the material should not be treated with water for 24 hours.

At low temperatures and humidity, the speed of reaction is reduced resulting in a longer pot life, re-coating interval and open time. The speed of reaction is accelerated at high temperatures and humidity and the converse is true.

Cleaning

Tools should be cleaned using FLOORFINDER 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 Goodspeed C4100. Goodspeed C4100 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 declaration of performance.

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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