Product 02252400

SELF LEVELLING LAYER for sports surfaces, 2 comp. PU

1 General Data

Application Fields

PORPLASTIC C524 is used for elastic sports surfaces as self-levelling layer for durable and highly resistant indoor or outdoor sports floorings. Typical uses for these high-quality systems are point- or small-area elastic floorings for sports halls.
PORPLASTIC C524 is also frequently used for the renovation and renewing of existing indoor or outdoor PU sports surfaces (re-topping).

Product Description

PORPLASTIC C524 is a pigmented and solvent free, two component PU self levelling layer with outstanding and lasting elastic properties, durability and wear resistance.
Due to its long pot life PORPLASTIC C524 is easy to apply, it shows excellent curing behaviour and shows high values of final strength. For increased UV- and colour stability use a top finish on PORPLASTIC C524.
The product fulfils German AgBB requirement for VOC emission.

Sports Surfacing Systems

-Point-, mixed or combined elastic
-PORPLASTIC***INDOOR*** PU-systems
-PORPLASTIC**ACTIVE** systems
-PORPLASTIC***TENNIS*** systems
-PORPLASTIC**MULTITOP** Systems

-Re-topping of old PU-systems (indoor or outdoor)

Technical Support

For detailed descriptions of VIACOR systems see VIACOR system data sheets or contact our technical support.
Phone: +49 (0) 7472 – 94 999 - 0
E-Mail: info@viacor.de

(A) Technical Data

Mixture (A+B)

1. Density (23°C) (DIN 53217)	1.3 g/cm³
2. Viscosity	1200 – 1600 mPas
3. Shore-Hardness (EN ISO 866)	ca. A84 (7d) 23°C, 50% rel humidity
4. Packaging size	Comp. A: 23 kg Comp. B: 7 kg
5. Mixing ratio A : B (parts by weight)	100 : 30
6. Colour	see colour chart, others on request
7. Shelf life / Storage	12 months at 10–25°C
8. Permissible relative humidity	min. 30% - max. 80%
9. Substrate and application temperature	10 – 30°C (min. 3° above dew point)
10. Processing time (23°C)	ca. 25 minutes
11. Can be walked on (depending on circumstances)	after 12 – 24 hours
12. Material consumption per layer	2.0 – 3.0 kg/m²
13. Tensile strength (DIN 53504)	ca. 9 N/mm²
14. Elongation at break (DIN 53504)	ca. 200 %
15. Tear strength (DIN 53507)	ca. 15 N/mm

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

PORPLASTIC C524 is usually applied on pre-fabricated or in situ rubber granule mats sealed with PORPLASTIC L375, PU foam mats or other PU-coatings. In case of coatings or pore sealer older than 3 days, grinding of the surface is necessary. The application of PORPLASTIC C524 should best be realized 4 – 6 hours after the previous layer (at least within 24 hours). We recommend applying an scratch layer of PORPLASTIC C524 (consumption ca. 0.5 kg/m²) to fill the elastic layer completely and eliminate the possibility of bubbles in the coating.
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, VIASOL EP-P210 has to be used as a primer.

Re-topping:
Please contact our technical support before re-topping old PU surfaces.
Adhesion tests should be carried out and they will determine the substrate preparation. It may be necessary to grind, remove the dust and apply a primer before the installation of PORPLASTIC C524. In all cases the surface must be thoroughly cleaned and left to dry completely. Then the primer is applied onto the pre-treated substrate.

Processing

PORPLASTIC C524 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 homogenised 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 is applied on the pre-treated substrate with a squeegee or best a notched trowel (selection of tooth size determines the thickness of the layer). We recommend to roll the still liquid coating with a metal spiked roller (e. g. Multitool) to ensure optimal defoaming. 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 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 C524. PORPLASTIC C524 ist 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.

CE

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 characeristics 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 characteritics of the product.
Due to different materials, sub-bases and working conditions, no guaratee 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 vialation 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 VIACOR data sheets are updated on a regular basis it is the users responsibility to obtain the most recent issue (see www.viacor.de or contact us directly).

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