**Product 02255000**

**pigmented, elastic-layer, full-PUR, 2-comp.**

# 1 General Data

## Application Fields

PORPLASTIC C550 is used for elastic sports surfaces as elastic layer for full PUR systems. Typical uses for these high-quality systems are athletic tracks and runways.

## Product Description

PORPLASTIC C550 is a pigmented and solvent free, two component PU-SL-elastic material with outstanding and elastic properties, durability and wear resistance.
Due to its long pot life PORPLASTIC C550 is easy to apply, it shows excellent resistance to moisture during the curing phase and a good curing behavior. It is suitable for the installation of sports surfaces in all climate zones of the world.

## Sports Surfacing Systems

In combination with broadcasted EPDM or rubber granules in PORPLASTIC ***RACE*** systems:
- PORPLASTIC***M olympic ultra*** - full PUR system

## 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) | 1.28 g/cm³ |
| 2. Viscosity | ca. 5 000 mPas |
| 3. Shore A hardness (EN ISO 866) after 1 month | (23°C/ 50% relative humidity) A 63 |
| 4. Packing size | Comp. A: 2 x 200 kg<br>Comp. B: 1 x 200 kg |
| 5. Mixing ratio A : B | 100 : 50 |
| 6. Colour | oxide red, others on request |
| 7. Shelf life / Storage | 12 months at 10–25°C |
| 8. Permissible relative humidity | min. 30% - max. 90% |
| 9. Substrate and application temperature | 10-30°C (min. 3°C above dew point) |
| 10. Pot life (23°C) | ca. 20 minutes |
| 11. Can be walked on (23°C) (broadcast surface) | after 24 hours |
| 12. Ready for removing excess granules (23°C/50% relative humidity) | after 24 hours |
| 13. Material consumption per layer | 2.5 – 3. kg/m² |
| 14. Tensile strength (DIN 53504) | 3.6 N/mm² |
| 15. Elongation at break (DIN 53504) | ca. 110 % |

**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 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 PU coating and the substrate it is necessary to apply VIASOL EP-P210 as primer (imperative on concrete). The bonding strength of the substrate must be at least 1.0 N/mm². The surface moisture of concrete should not exceed 4 % (by weight). The application of PORPLASTIC C575 should then be realized 4 – 6 hours in any case within 24 hours after the primer.

## Processing

Component A has to be homogenized by rolling the drums before application. The optimal processing temperature is between 15 – 25°C.
For application pour component A and component B into a mixing container in the ratio 100 : 50 parts by weight. Use a slow rotating mixer rotating at approximately 300 - 500 rpm 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. This layer contains of 3,5 kg/m² SBR. Within 5 – 15 minutes, the fresh surface has to be covered with excess EPDM or rubber granules (appropriate size usually 1- 4 mm). Avoid bald spots and eventually broadcast additional granules after some minutes. Excess and loose granules are removed after curing and can be reused.
For achieving PORPLASTIC M Olympic ultra system with a thickness of 14 mm in total, 2 layers will be applied.

During the first hours after application, the coating has to be protected from direct contact with water as this could cause foaming of the material. In case of (expected) rain, PORPLASTIC C550 should not be applied.
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. Direct sunshine shortens the time frames considerably.

**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 C550. The product is non hazardous in its cured condition. The product meets the requirements of the EC directive 2004/42/EC for VOC content.

## 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 user's responsibility to obtain the most recent issue (see www.viacor.de or contact us directly).

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