

Product 02640000 2-comp. polyurea sealer, UV- and colour stable, coloured, glossy

1 General Data

Fields of application

VIASOL UREA S6400 P is used as UV- and colour stable, coloured sealer for non-broadcasted and broadcasted coating systems based on polyurethane or epoxy resin. VIASOL UREA S6400 P can also be used as a fast-curing primer on cementitious substrates. VIASOL UREA S6400 P is suitable for indoor and outdoor application and cures with a glossy finish.

Product Description

VIASOL UREA S6400 P is a low emission, solvent free, 2 component product based on polyurea resin. In the cured state the product has a very good abrasion resistance, excellent weathering and colour stability, is characterized by the properties of a tough-hard surface and has good resistance to diluted acids and alkalis, fuels and lubricants. Exposure to chemicals may lead to optical discoloration that will not affect the technical usability of the flooring. VIASOL UREA S6400 P has a low susceptibility to pollution and is easy to clean.

Properties

- low emission, solvent free
- weathering and colour stable
- abrasion resistant
- glossy

VIASOL systems

VIASOL UREA S6400 P is used as primer and/or sealer in the VIASOL systems:

- VIASOL **UNIFLEX SR**
- VIASOL **UNIVERSAL SR**
- VIASOL **PROTECTIVE rapid**
- VIASOL **DECK rapid M V2/V3**
- VIACRETE **MF standard SR UV**
- VIASOL **EXPRESS urea**
- VIASOL **EXPRESS protective**

Care and maintenance

For a long-term preservation of the properties of resin floors, we recommend a regular cleaning and care programme. For further details see our VIASOL Care and Maintenance Guide. Before first use of smooth coatings, we recommend to perform a basic cleaning and initial care.

Technical support

For system build up possibilities and detailed information relating to the laying of VIASOL products, please refer to the VIASOL System Planner or contact VIACOR Polymer GmbH directly.

Phone: +49 7472 94999-0
E-Mail: info@viacor.de

Manufacturer:

VIACOR Polymer GmbH, Graf-Bentzel-Str.78, D-72108 Rottenburg, Tel: +49 7472 94999-0, info@viacor.de, www.viacor.de

| (A) Technical Data | | |
|---|--|--|
| Liquid mixture (A+B) | | |
| 1. Viscosity (23 °C) | | ca. 2200 - 2500 mPas |
| 2. Density (20 °C) | | ca. 1.4 g/cm ³ |
| 3. Packaging size (2-component container) | | 25 kg (19.7 kg A + 5.3 kg B) |
| 4. Color | | VIASOL standard, others on request |
| 5. Shelf life (20 °C) | | 12 months in originally closed container |
| 6. Storage | | Dry at 10-25°C, avoid direct sunlight, protect from freezing |

| (B) Technical Data | | |
|------------------------------------|--|--|
| Cured material | | |
| 1. Adhesive strength (EN ISO 4624) | | > 2.5 N/mm ² |
| 1. Hardness Shore-D (EN ISO 868) | | approx. D75 |
| 2. Wear resistance EN ISO 5470-1 | | < 78 mg (CS17, 1000 cyc.) < 500 mg (H22, 1000 cyc.) |



¹ Tested in system build-up VIASOL **DESIGN QCV** and VIASOL **DESIGN QNV**

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2 Application Method

Please refer also to our general application guideline.

Substrate preparation

The substrate must be clean and free of dust and loose particles. All traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance should be removed.

VIASOL UREA S6400 P is applied to VIASOL coatings broadcasted or not broadcasted with quartz sands or other aggregates. The application must be carried out at the earliest after the product-specific over-working times of the underlying layer.

When applying VIASOL UREA S6400 P as a primer on cementitious substrates, the substrate must be prepared by shot-blasting or grinding. Coarse impurities can be removed by milling. The substrate must have an adhesive tensile strength of min. 1.5 N/mm². It must also be free of oily, greasy or separating impurities and loose particles. Cracks and cavities must be removed properly beforehand.

Application

VIASOL UREA S6400 P is poured onto the surface to be coated. When **used as a primer**, it is applied with a rubber scraper and then rolled. In case of **application as a sealer on a scattered surface**, it is spread evenly over the surface with a rubber spatula (hard or soft) or a rubber scraper, avoiding puddle formation and spatula impacts. If necessary, a short-pile microfiber roller (e.g. Multitool Microfiber 6 / 8 mm) is used immediately after application to roll in one direction, if possible without settling in the path. When **used as a sealer on a smooth surface**, apply with a fine-toothed roller (e.g. Multitool S7) and roll on with a paint roller, if possible without settling in the path.

The application time at 20°C and 50% relative humidity is max. 10 minutes at room temperature. Higher temperatures and higher humidity shorten the working time. Re-rolling later may cause fine air bubbles in the surface.

NOTE: The roller should be replaced after 30 minutes, otherwise microbubbles and roller tracks may appear on the floor caused by cured material the roll.

For cleaning of tools and other dirt VIASOL SO-X12 cleaner is recommended.

Over coating

In case of reworking up to 18 hours after installation, the top coat does not have to be sanded separately. Later reworking is only possible after careful grinding.

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(B) Technical Data

Liquid mixture (A+B)

| | | |
|----|---|---|
| 1. | Mixing ratio A : B | 100 : 27 (% by weight) |
| 2. | Material consumption | 500 – 1000 g/ m ² |
| 3. | Working time (20 °C) Drying time for seams during application (20°C) | approx. 20 minutes max. 10 minutes |
| 4. | Application temperature | 5 – 30 °C (min. 3°C above dew point) |
| 5. | Relative humidity | 30 to max. 85% |
| 6. | Foot traffic (20 °C, 40 % rel. humidity) | after 4 hours (depending on film thickness) |
| 7. | Following layer (20°C) | within 18 hours |
| 8. | Fully capable of with-standing stress mechanical (20 °C) chemical (20 °C) | after 3 days after 7 days |

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3 Further Information

CE-Mark



CE-Mark according to EN 13813

EN 13813: 2003-01, Screed material and floor screeds - Screed materials - Properties and requirements is the basis for requirements for floor screeds used in indoor flooring constructions. Resin coatings and sealer are also subject to this norm.

Details see CE-conformity mark and declaration of performance.

Decopaint-Guidelines (EU 2004/42/EG)

The maximum allowable VOC content for Product Category IIA j Type Lb products (in the ready to use state) is:

Stage II (from 2010) < 500 g/l VOC

In the ready to use state, this product contains less than 500 g/l VOC.

Warnings and precautions

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Local regulations concerning the safe handling of epoxy resin based coating materials must be observed.

Suitable protective clothing including suitable eye protection must be worn.

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 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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