

Product 02640020 2-comp. Polyurea sealer, UV- and colour stable, transparent, glossy

1 General Data

Fields of application

VIASOL UREA S6400 ESD is used as UV- and colour-stable, transparent seal coat for coating systems broadcasted with conductive (ESD) coloured quartz sand based on polyurethane or epoxy resin. VIASOL UREA S6400 ESD cures with a glossy finish and can be used for indoor application.

Product Description

VIASOL UREA S6400 ESD is a low emission, solvent free, low temperature, antistatic and fast curing 2 component seal coat based on polyurea resin. In the cured state the product has a very good abrasion resistance, excellent weathering and UV 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.

The seal coat guarantees the technical ESD properties in the recommended system build-ups.

VIASOL UREA S6400 ESD has a low susceptibility to pollution and is easy to clean.

Properties

- low emission, solvent free
- fast and low temperature curing
- abrasion resistant
- glossy
- guarantees ESD properties

VIASOL systems

VIASOL UREA S6400 ESD is the seal coat for the following VIASOL systems:

VIASOLDESIGN QCV ESD

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 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.

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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. 500 - 800 mPas
2. Density (20 °C)	ca. 1.1 g/cm ³
3. Packaging size (2-component container)	18 kg (12 kg A + 6 kg B)
4. Color	transparent
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)	> 2.0 N/mm ²
2. Hardness Shore-D (EN ISO 868)	approx. D71
3. Wear resistance EN ISO 5470-1	<60 mg
4. Conductivity (EN 61340-5-1)	see system data sheet VIASOLDESIGN QCV ESD



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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 have to be removed.

VIASOL UREA S6400 ESD is applied on VIASOL DESIGN wear coats broadcasted with conductive VIASOL ESD colored quartz sand.

VIASOL UREA S6400 ESD can be applied after the waiting time for overcoating mentioned in the specific product data sheet of the previous layer is over.

Application

The product is supplied in matched quantities in 2-component containers. The B component must be completely emptied into the A component (stir component A previously). Both components should be mixed homogeneously with a suitable electric stirrer for at least 2-3 minutes and then the mixture should be poured in another container and mixed again for about 1 minute. The mixing in of air should be avoided. . We recommend the application by equal batch numbers.

VIASOL UREA-S6400 ESD is poured onto the surface to be sealed and spread evenly over the surface with a hard rubber squeegee or metal trowel or smoothing rake. Formation of puddles and scratch marks has to be avoided. Do not roll with roller! The processing time at 20 ° C and 50% rel. humidity is at room temperature at max. 3 - 5 minutes. Higher temperatures and higher humidity shorten the processing time.

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

Over coating

Please contact our technical support.

(C) Technical Data

Liquid mixture (A+B)

1.	Mixing ratio A : B	100 : 50 (% by weight)
2.	Material consumption	400 – 500 g/ m ²
3.	Working time (20 °C) Drying time for seams during application (20°C)	approx. 20 minutes 10 minutes
4.	Application temperature	5 – 30 °C (min. 3°C above dew point)
5.	Relative humidity	40 to max. 85%
6.	Foot traffic (20 °C)	after 6 – 8 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
9.	Fully cured: Earliest water loading	at 23°C after 7 days Longer duration of water loads or longer dammed-up water should be avoided (not applicable to wet loads that are required for daily cleaning maintenance)

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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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