

Product 1022-KAL 2-comp. polyurea wear coat, fast curing, UV stable, colored

1 General Data

Fields of application

VIASOL UREA S6001 P is used as a weather and color stable, colored wear coat. VIASOL UREA S6001 P can be used indoors and outdoors and has a glossy finish.

Product Description

VIASOL UREA S6001 P is a solvent-free, low-emission, weather and color-stable, 2-component product based on aliphatic polyurea. When cured, the product has very good abrasion resistance, very good weather and color stability and is characterized by tough hard properties.

It has good resistance to dilute acids and bases, lubricants and fuels. Depending on the chemical load, optical discoloration can occur that does not impair the technical usability of the flooring.

VIASOL UREA S6001 P has a low tendency to get dirty and is easy to clean.

The product is supplied "ready-to-use", i.e. a specific quartz sand mixture for producing the surface roughness is included in the container of the A component.

Properties

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

VIASOL systems

VIASOL UREA S6001 P is the wear coat within the systems:

VIASOL **DECK M rapid**

VIASOL **DECK spray rapid**

VIASOL **EXPRESS resist**

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.

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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(A) Technical Data

Liquid mixture (A+B)

1. Viscosity (23 °C)	ca. 8000 - 9000 mPas
2. Density (20 °C)	ca. 1.4 g/cm ³ (without quartz filler) ca. 1.9 g/cm ³ (with quartz filler)
3. Packaging size (2-component container)	25 kg (22,3 kg A + 2.7 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)	> 2.0 N/mm ²
1. Hardness Shore-D (EN ISO 868)	approx. D78
2. Wear resistance EN ISO 5470-1	< 700 mg (Taber H22)

Manufacturer:

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

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2 Application Method

Please refer also to our general application guideline.

Application

The product is supplied in coordinated quantities in two-component containers. The B component must be completely emptied into the A component. Both components should be mixed homogeneously with a suitable electric stirrer for at least 3 minutes. Avoid mixing in air. We recommend batch-based processing to avoid differences in color. When processing several batches on one construction site, the last containers of the first batch must be mixed together with the first containers of the next batch.

VIASOL UREA-S6001 P is spread evenly over the surface with a trowel. The processing time at 20 °C and 50% rel. air humidity is max. 10 mins. Higher temperatures and higher humidity shorten the processing time. The product is to be re-rolled cross-wise after spreading to eliminate surface unevennesses.

VIASOL SO-X14 tool cleaner is used to clean tools and other dirt.

Over coating

When overworking up to 18 hours after installation, the top layer does not have to be sanded separately. A later revision is only possible after careful grinding.

(B) Technical Data

Liquid mixture (A+B)

1.	Mixing ratio A : B	100 : 12 (% by weight)
2.	Material consumption	2,2 – 2,7 kg/ m ²
3.	Working time (20 °C)	approx. 20 minutes
4.	Application temperature	10 – 30 °C (min. 3°C above dew point)
5.	Relative humidity	30 - 85%
6.	Foot traffic (20 °C)	after 8 hours (depending on film thickness)
7.	Open to vehicle traffic (20°C)	After 1 day
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 1504-2

For details see CE-conformity mark and declaration of performance.

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).