

**Product 2024001** 2-comp. polyurea coating, color stable, low emission, elastic, decorative

## 1 General Data

### Fields of application

FLOORFINDER UREA S6001P<sup>FF</sup> is used as a weather and color stable, colored wear coat. FLOORFINDER UREA S6001P can be used indoors and outdoors and has a glossy finish.

### Product Description

FLOORFINDER UREA S6001P<sup>FF</sup> 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. FLOORFINDER UREA S6001P<sup>FF</sup> 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

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

### FLOORFINDER systems

FLOORFINDER UREA S6001P<sup>FF</sup> is a wear coat within the system:

FLOORFINDER *DECK rapid M<sup>FF</sup>*

### 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 FLOORFINDER Care and Maintenance Guide.

#### (A) Technical data

##### Liquid mixture (A+B)

1. Solids content	99 %
2. Density (20°C)	1.9 g/cm <sup>3</sup> (with quartz filler) 1.4 g/cm <sup>3</sup> (without quartz filler)
3. Viscosity (23°C)	8000-9000 mPas
4. Packaging size (2-component container)	25 kg with filler quartz (22.3 kg A + 2.7 kg B)  12.5 kg with filler quartz (11.15 kg A + 1.35 kg B)  25 kg without filler quartz (9.8 kg A + 2.7 kg B)
5. Colours	FLOORFINDER standard
6. Shelf life	9 months in closed original container
7. storage	Dry at 10–25°C, avoid direct exposure to sunlight

#### (B) Technical data

##### Cured material

1. Adhesive strength (DIN ISO 4624)	> 2.0 N/mm <sup>2</sup> (concrete failure)
2. Hardness Shore-D (DIN EN ISO 868)	approx. D78
3. Abrasion Resistance (DIN EN ISO 5470-1)	<700 mg (Taber H22)

### Technical support

For system build up possibilities and detailed information relating to the laying of FLOORFINDER products, please refer to the FLOORFINDER System Planner or contact Floorfinder Asia Sdn. Bhd. directly.

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e-mail: [info@floorfinder.com.my](mailto:info@floorfinder.com.my)

#### Manufacturer:

Floorfinder Asia Sdn. Bhd., No. 28, Lorong Sungai Puloh 1A/KU6, Jalan Sungai Puloh, Batu 5 3/4, Kapar, 42100 Klang, Selangor Darul Ehsan, Malaysia, tel: +603 3290 7644, email: [info@floorfinder.com.my](mailto:info@floorfinder.com.my), [www.floorfinder.com.my](http://www.floorfinder.com.my) – A division of VIACOR VISION AG, SWITZERLAND

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## 2 Application method

### Substrate preparation

The substrates must be clean and free of dust and loose particles. All traces of contaminations such as oils, grease, paint residues, chemicals, algae, and laitance should be removed.

### 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 the 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 with the first containers of the next batch.

FLOORFINDER UREA-S6001P<sup>FF</sup> 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 crosswise after spreading to eliminate surface unevenness's.

For cleaning tools and other contaminations use FLOORFINDER SO-X12 cleaner.

### Overcoating

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>(C) Technical data</b>	
<b>Liquid mixture (A+B)</b>	
1. Mixing ratio A : B	100 : 12 by weight (kg) with filler
2. Pot life	20°C – 20 min. 30°C – 7 min.
3. Application temperature:	10 – 20°C (min. 3°C above dew point)
4. Material consumption (depending on substrate)	2.5 – 3.0 kg/m <sup>2</sup>
5. Re-coating interval (20°C)	within 18 hours
6. Cure time to withstand: Foot traffic (20 °C) Mechanical service (20°C) Exposure to chemicals (20°C)	after 8 hours after 1 days after 7days

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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 conformity declaration.

##### 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 trademark rights.

As all Floorfinder data sheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue (see [www.floorfinder.com.my](http://www.floorfinder.com.my)).

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