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FLOORFINDER PU-S6000 **Technical Data Sheet**

Product 02460010 2-comp. PU sealer, UV- and color stable, elastic, low emission, transparent, matt, water based

1 General Data

Fields of application

FLOORFINDER PU-S6000 is used as transparent matt sealer for middle and soft elastic coating systems based on low emission PU-resins. Sensitive surfaces will get an extra film for protection and for an easier cleaning of the floor.

Product description

FLOORFINDER PU-S6000 is a water-based, wear resistant two component PU sealer based on high quality aliphatic PU resin with low emissions. It fulfils the requirements of German AgBB, the standard for low emission in construction products.

The product is color stable and weather resistant and has good chemical resistance against diluted acids and alkalis and many disinfectants. Depending on the substance in contact with the flooring (please not that wine or coffee etc. are also relevant) discolorations may occur, which will not reduce the usability of the flooring.

Depending of the application method FLOORFINDER PU-S6000 can have a light structure, without influence on the final properties. In case of doubt, make a test area for better judgement. Please note: Transparent top coats cannot avoid yellowing of an aromatic polyurethane coating system which is applied below, here a pigmented aliphatic top coat is required.

FLOORFINDER systems

FLOORFINDER PU-S6000 is used as a top coat for soft FLOORFINDER PU-systems in example:

FLOORFINDER ***ELASTIC UV***
FLOORFINDER ***ELASTIC SKY***

Characteristics

- Transparent
- Decorative matt
- Elastic
- High UV-stablility
- Good abrasion resistance
- Easy to clean
- Water borne
- low odour and low emission

(A) Technical data	
Liquid mixture (A+B)	
1. Density (25°C)	ca. 1.08 g/cm³
2. Viscosity (25°C)	ca. 100 – 500 mPas
3. Packaging size	17 kg (13 kg A + 4 kg B)
4. Colors	FLOORFINDER standard, matt
5. Shelf life	9 months in closed original container
6. Storage	Dry at 10–30°C, avoid direct sunlight
(B) Technical data	
Cured material	
7. Adhesive strength (DIN ISO 4624)	> 1.5 N/mm² (concrete failure)

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. Before first use we recommend to perform a basic cleaning and initial care to make cleaning easier.

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@floorfinderasia.com

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@floorfinderasia.com, www.floorfinderasia.com – A division of VIACOR VISION AG, SWITZERLAND

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2 Application method

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. The sealer is applied on elastic FLOORFINDER -PU coating systems. The sealer should be applied within the recoating interval of the previous layer.

Application

FLOORFINDER PU-S6000 is delivered in 2 component containers in the right mixing ratio. The A-component must be stirred for at least 1–2 minutes. Then the entire content of the B component is emptied into the A-component container and the two components are mixed until homogeneous using a suitable electric stirrer (for at least 2 – 3 minutes). Let the mixed material stand for pre-reaction about 3-5 minutes and then pour in to another container Mix again briefly after repotting the material. Filter material using mesh size 250um. The incorporation of air should be avoided. FLOORFINDER PU-S6000 is poured onto the surface. Then it is spread with a wide short-piled microfiber roller (e.g. Multitool pile-height about 6 - 8 mm) and homogeneously finished with a second roller in one direction. The formation of puddles should be avoided. As with all water-based sealers, it is important to avoid dry edges by always working wet in wet when rolling fresh material into applied wet sealer otherwise roller marks will be visible in the final finish. Time between the overlapping should not exceed 2 – 5 minutes. Open time for rolling fresh material into the applied wet sealer without leaving any marks is at room temperature 3 - 5 minutes. During application drafts and direct sunlight should be avoided.

(C) Technical data		
Liquid mixture (A+B)		
1.	Mixing ratio A : B	10 : 31.2 by weight (kg)
2.	Working time (25°C)	approx. 20 minutes
3.	Application temperature:	15 – 30°C (min. 3°C above dew point)
4.	Material consumption	120 – 140 g/m^2
5.	Cure time to withstand: Foot traffic (25 °C) Heavy Traffic (25°C) Exposure to chemicals (25°C)	 after 16 - 24 hours after 3 days after 7days

Overcoating

Please ask our technical support.

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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 conformity declaration.

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 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 trademark rights.

As all Floorfinder data sheets are updated on a regular basis it is the users responsibility to obtain the most recent issue (see www.floorfinderasia.com).

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