

Product 02069100 2-comp. Polyurethane sealer, low emission, fast curing, UV-stable, transparent

1 General Data

Fields of application

FLOORFINDER PU-S691 is used as UV- and color-stable, transparent seal coat for with coloured quartz sand broadcasted coating systems based on polyurethane or epoxy resin. FLOORFINDER PU-S691 can be used for indoor and outdoor application and cures with a glossy finish.

Product Description

FLOORFINDER PU-S691 is a low emission, solvent free, low temperature and fast curing 2 component seal coat based on Polyurethane resin. The product has in the cured state a very good abrasion resistance, excellent weathering and color 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 (see chemical resistance list).

FLOORFINDER PU-S691 has a low susceptibility to pollution and is easy to clean.

Properties

- Low emission, solvent free
- fast and low temperature curing
- abrasion resistant

FLOORFINDER systems

FLOORFINDER PU-S691 is an optional seal coat for the FLOORFINDER systems:

FLOORFINDER **DESIGN QCV**
FLOORFINDER **DESIGN QNV**

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.

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 directly.

Tel: +603 3290 7644

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(A) Technical Data

Liquid mixture (A+B)

1.	Viscosity (23 °C)	ca. 480-1000 mPas
2.	Density (20 °C)	ca. 1.1 g/cm ³
3.	Packaging size (2-component container)	16.3 kg (10 kg A + 6.3 kg B) 8.15 kg (5 kg A + 3.15 kg B)
4.	Color	transparent, glossy
5.	Shelf life (20 °C)	12 months in originally closed container
6.	Storage	Dry at 15-25°C, avoid direct sunlight

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

Please refer also to our general application guidelines and the application guidelines for FLOORFINDER **DESIGN** systems.

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.

FLOORFINDER PU-S691 is applied on FLOORFINDER EP- or PU wear coats broadcasted with coloured quartz sand or other suitable materials.

FLOORFINDER PU-S691 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 gently; avoid over-mixing or creating a vortex that could introduce moisture. Do not mix below the dew point, which will shorten the pot life. No induction time like epoxy mixtures is required prior to use.

FLOORFINDER PU-S691 is poured onto the surface to be sealed and spread evenly over the surface with a rubber squeegee (hard or soft) or a rubber trowel. Formation of puddles and scratch marks must be avoided. If necessary, immediately after application rolling with a short pile micro-fibre roller (for example Multitool microfibre 6 or 8 mm) in one direction as far as possible without stops in the lane. Higher temperatures and higher humidity shorten the processing time. Later rolling can 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 that roll.

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

Over coating

Please contact our technical support.

(B) Technical Data

Liquid mixture (A+B)

1.	Mixing ratio A : B	100 : 63 (% by weight)
2.	Material consumption	300 – 700 g/ m ²
3.	Working time (15 °C) (25 °C)	approx. 30 minutes approx. 20 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 2- 4 hours (depending on film thickness)
	Fully capable of with-standing stress mechanical (20 °C) chemical (20 °C)	after 6 hours after 1 day

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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 must 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 asia data sheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue (see www.floorfinderasia.com).

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