

**Product 02430000** 3-Comp. elastic polyurethane base layer for FLOORFINDER **DECK** car park systems

## 1 General Data

### Fields of application

FLOORFINDER PU-L300M<sup>FF</sup> is used as a base coat and elastic membrane in FLOORFINDER **DECK** car park systems for waterproofing and sealing/binding the anti-slip aggregates on the surface to provide perpetual safety to vehicular traffic especially in wet conditions.

### Product description

FLOORFINDER PU-L300M<sup>FF</sup> is a 3 components, solvent free, elastic, high build polyurethane coating recommended for use as trafficable base coat in FLOORFINDER **DECK** car park systems.

### Features & Benefits

- Elastic membrane provide waterproofing function
- Good chemical resistant
- Low / no odour
- Solvent Free

### FLOORFINDER systems

FLOORFINDER PU-L300M<sup>FF</sup> is the elastic base layer for the FLOORFINDER System:

FLOORFINDER **DECK 11b plus**  
FLOORFINDER **DECK 11a plus**

### Care and maintenance

The lifespan and performance of your resin floor can be extended considerably by adopting a regular cleaning and care programme. We recommend the use of an alkaline based cleaning agent.

### 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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(A) Technical data	
<b>Liquid mixture (A+B)</b>	
1. Solids content	99 %
2. Density (25°C)	1.56 g/cm <sup>3</sup> (Mixed)
3. Viscosity (25°C)	7000 – 9000 mPas
4. Packaging size	20 kg (12.5 kg A + 2.5 kg B + 5 kg C)
5. Colours	Neutral/ Pigmented available
6. Shelf life	9 months in closed original container
7. Storage	Dry at 10–30°C, avoid direct sunlight
(B) Technical data	
<b>Cured material</b>	
1. Adhesive strength (DIN EN ISO 4624)	>2.0 N/mm <sup>2</sup> (concrete failure)
2. Hardness (DIN EN ISO 868)	Shore D40 after 7 days Shore A86-88 after 7 days
3. Elongation at break (DIN 53504)	>60%
4. Tensile strength (DIN 53504)	>7 N/mm <sup>2</sup>

#### 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 methods

### Substrate preparation

The substrate must be firm, clean, dry and have a pull-off strength of 1.5 N/mm<sup>2</sup> minimum.

Wet areas shall be dried with a blow torch. The moisture content in the substrate must not exceed 4 CM %.

New concrete must be allowed to cure for a minimum of 28 days.

Repair imperfections (holes and cracks) with an epoxy patching compound such as FLOORFINDER EP-T703<sup>FF</sup> where necessary.

Remove surface laitance, contaminants, coating, curing compound and all weak and loose materials.

Prepare substrate by Captive Shot Blasting or scarifying to provide the appropriate surface profile for optimum mechanical interlocking.

### Primer

Apply an epoxy primer such as FLOORFINDER EP-T703<sup>FF</sup> or FLOORFINDER EP-P210<sup>FF</sup> by roller to the prepared surface. If the surface is porous, a second coat of primer may be necessary.

To improve inter-layer adhesion, sprinkle FLOORFINDER QS 0.3-0.6 mm quartz sand lightly (approx. 800 g/m<sup>2</sup>) while the primer is still wet. If two coats of primer are necessary, this should be done on the second coat.

### Application

Before starting the application, the material temperature must be close to site conditions.

Mix Component A for 2-3 minutes.

Empty contents of Component B (Hardener) into Component A (Base Resin). Mix with a suitable mixer at a speed of 500 rpm to avoid incorporating excessive air into the mix. Mix for 2-3 minutes.

Add Component C gradually while the mixer is running and mix for 2-3 minutes. Transfer the mixture into another clean container and mix for 1-2 minute.

For FLOORFINDER **DECK**<sup>FF</sup> system, pour the mixture onto the primed surface and spread over the entire area using a nominated notched trowel to provide the required thickness and broadcast to excess the nominated (0.3-0.6 mm or 0.7-1.2mm) anti-slip aggregates while still wet.

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<b>(C) Technical data</b>	
<b>Liquid mixture</b>	
1. Mixing ratio A : B : C	12.5 : 2.5 : 5 by weight (kg)
2. Working time (25°C)	20 minutes
3. Application temperature	10 – 30°C (min. 3°C above dew point)
4. Material consumption	1.2 – 1.5 kg/m <sup>2</sup>
5. Foot traffic (25°C)	After 16-24 hours
6. Permissible RH %	50% - 80%
7. Re-coating interval	Within 24 hours
8. Fully cured properties:	
Mechanical (25°C)	After 3 days
Chemical (25°C)	After 7 days

For cleaning of tools and other contaminations use FLOORFINDER SO-X10 cleaner.

### Overcoating

It is not necessary to abrade the surface if the subsequent coat is applied within 24 hours. For application exceeded 24 hours or the coating has contact with dew or rain water, please contact FLOORFINDER Technical Department for further detail.

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

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