

Product 01438000 2 or 3-comp. EP advanced resin single coating, water-based

1 General Data

Fields of application

FLOORFINDER *DECK ONE* is designed for use as a single coat of anti-slip/smooth surface. FLOORFINDER *DECK ONE* developed as monolayer system, single coating product to replace multiple layers car park deck system. FLOORFINDER *DECK ONE* an obvious hassle free, time saving on construction sites and, therefore, substantial savings in coating material, labour and transport.

Product description

FLOORFINDER *DECK ONE* is a 2 or 3-component, advanced resin-based compound with unique rheological properties. It has a thicker and yet fluid consistency which makes it a versatile product ideal for single coating. Its available in 0.15mm, 0.5mm or 1.5 mm thickness system. FLOORFINDER *DECK ONE* is water-based epoxy, low VOC, water vapour permeable (breathable products). FLOORFINDER *DECK ONE* is a an ultra-efficient, easy to apply, rational and economical solution which would quickly attract customers.

Characteristics

- Advanced resin monolayer system/product
- Low VOC emission
- High water vapour permeability
- Good adhesion and wetting to substrate
- Low / no odour

FLOORFINDER systems

FLOORFINDER *DECK ONE* is a scratch / seal coat for concrete surface for FLOORFINDER water permeable systems.

FLOORFINDER *DECK ONE*

(A) Technical data	
Liquid mixture (A+B+C)	
1. Solids content	77 %
2. Density (25°C)	1.72 g/cm ³
3. Viscosity (25°C)	2000–4000 mPas
4. Packaging size	25 kg (12.9 kg A + 2.7 kg B + 9.4 kg C) Anti-slip 15.6 kg (12.9kg + 2.7 kg) smooth
5. Colours	RAL colors
6. Shelf life	12 months in closed original container
7. Storage	Dry and frost-free at 10–30°C, avoid direct sunlight

(B) Technical data	
Cured material	
1. Adhesive strength (DIN ISO 4624)	> 1.5 N/mm ² (concrete failure)

Care and maintenance

The lifespan & performance of your water-based system can be extended considerably by adopting a regular cleaning and care programme

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.

Tel: +603 3290 7644
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 firm, clean, dry and have a pull-off strength of 1.5 N/mm² minimum.

The product can be used on green concrete.

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

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

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

Application

Priming

FLOORFINDER DECK ONE doesn't require a primer. Note: -Substrate preparation is important to create good adhesive of FLOORFINDER DECK ONE towards substrate.

Applying as Anti-slip

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

Mix component A for 2 minutes.

Add component C into component A and mix for 2-3 minutes. Mix with a suitable mixer at a speed of 500 rpm to avoid incorporating excessive air into the mix.

Empty contents of component B (Hardener) into mixture and mix for 2 minutes.

Transfer the mixture into another clean container and mix for 1 minute.

Pour material and spread it using hand trowel, control thickness according to grain size of Comp C. Back roll with short nap roller crisscross manner to create a homogeneous texture.

As smooth surface

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 350-500 rpm to avoid incorporating excessive air into the mix. Mix for 2-3 minutes. Transfer the mixture into another clean container and mix for 1-2 minutes.

(C) Technical data

Liquid mixture (A+B+C)

1. Mixing ratio A : B : C	12.9: 2.7 : 9.4 by weight (kg) for anti-slip 12.9: 2.7 by weight for smooth
2. Working time	approx. 25 min. (25°C) approx. 20 min. (30°C)
3. Application temperature	10 – 30°C (min. 3°C above dew point)
4. Material consumption Smooth coat Anti-slip 1.5 mm Anti-slip 0.5 mm	0.2 – 0.25 kg/m ² 2.0-2.3 kg/m ² 1.0-1.3 kg/m ²
5. Following coating (25°C)	within 24 hours
6. Cure time to withstand: Foot traffic (25 °C) Heavy Traffic (25°C) Exposure to water immersion (25°C)	after 6 - 8 hours after 3 days after 7 days

Spread the mixed product onto the surface with a squeegee or trowel and back roll with a short nap roller in a criss-cross manner. Note: No dilution required. Second coat might required to have a uniform finish to cover surface textured.

Provide good ventilation to ensure that the relative air humidity does not exceed 85% during application and curing as it will inhibit evaporation of water and affect cure.

Overcoating

The second coat can be applied within 24 hours without grinding. If longer, the surface has to be grinded before over-coating.

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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 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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