

Product 01460010 2-comp. EP coating, solvent-free, colored, structured

1 General Data

Fields of application

FLOORFINDER EP-S600 thix is used as a coloured seal coat with structured surface for areas with light traffic. Areas subject to foot and light vehicular traffic such as walkways, workshops, production facilities, warehouses, car park decks, garages and plant rooms.

Product description

FLOORFINDER EP-S600 thix is a colored, slightly thixotropic, solvent free, two-component epoxy coating. It is resistant to petroleum oils, solvents, acids & alkalis and shows good wear and slip resistance. In general, epoxy coatings are not colour stable if exposed to UV light or under influence of weathering. We recommend to over-coat with a colour stable sealer.

Characteristics

- Durable – 99% solids
- High gloss finish
- Solvent free
- Good chemical resistant
- Good wear resistant
- Slip resistant – can provide R9 to R10 rating (dependent on the textured)
- Low / no odour
- Aesthetic flexibility – available in a variety of colours

FLOORFINDER systems

FLOORFINDER EP-S600 thix is used as a top coat for the following FLOORFINDER systems:
FLOORFINDER **PROTECTIVE**
FLOORFINDER **DECK OS8**

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.

(A) Technical data	
Liquid mixture (A+B)	
1. Solids content	99 %
2. Density (25°C)	1.54g/cm ³
3. Viscosity (28°C)	10,000–18,000 mPas
4. Packaging size	22 kg (19.1 kg A + 2.9 kg B)
5. Colors	FLOORFINDER standard
6. Shelf life	12 months in closed original container
7. storage	Dry 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)
2. Shore D hardness (DIN EN ISO 88)	60 (Day 1) 77 (Day 7)
3. Abrasion resistance (DIN EN ISO 5470-1)	< 70mg /1000cycles (CS10 Wheels)

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 tensile strength of 1.5 N/mm² 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 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 keying.

If FLOORFINDER EP-S600 thix is used as a top coat over an existing EP underlay / topping, it can be applied directly on the existing surface if the underlay / topping is newly laid (within 16 – 24 hrs) otherwise a light grinding is necessary.

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.

Transfer the mixture into another clean container and mix for 1-2 minute.

Spread the mixed product onto the surface with a squeegee and roll with a structured roller fine, medium or coarse (ex. Multitool MT 10.500.002-003; Polyplan PP8025G) in one direction to avoid roller marks.

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

Overcoating

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

(C) Technical data

Liquid mixture (A+B)

1. Mixing ratio A : B	19.1:2.9 by weight (kg) (100:15.2)
2. Working time (25°C)	approx. 20 minutes
3. Application temperature:	10 – 30°C (min. 3° above dew point)
4. Material consumption	200– 300 g/m ² (per coat)
5. Overcoating (25°C)	within 16 - 24hours
6. 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

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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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