

Product 02025013

Antistatic flooring, conductive flooring, earthing points

1 General Data

Fields of application

FLOORFINDER **EARTHING KITS** is an earthing kit to connect electrostatic conductive and dissipative flooring systems to the ground. Applications of earthing kits include automotive, pharmaceutical manufacturing, storage - warehouse, clean rooms, electronic production areas, microelectronic assembly rooms, computer chip manufacturing, measuring instrument manufacturing, electronic test laboratories and other areas where Antistatic (AS) and ESD standards are required.

Product description

FLOORFINDER **EARTHING KITS** contains 10 earthing points.

FLOORFINDER systems

FLOORFINDER EARTHING KITS are used as earthing points for the FLOORFINDER system:

FLOORFINDER **UNIVERSAL ESD**
FLOORFINDER **PERM** *conductive*
FLOORFINDER **UNIVERSAL** *voltex*

(A) Product information

1. Packaging size	Plastic toolbox
2. Shelf life (20 °C)	5years in closed, original container
3. Storage	Dry at 10 – 30°C, avoid direct sunlight

(B) List of components

Cured material

1. Heavy-duty plastic plugs	10 pcs
2. Threaded Allen rods	10 pcs
3. Conductive copper tape (~120 mm length)	20 pcs
4. Metal disks 60 mm diameter	10 pcs
5. Metal disks 30 mm diameter	10 pcs
6. M6 metal nuts	10 pcs
7. M6 x 2/6 mm cable lugs	10 pcs
8. M6 self-locking nuts	10 pcs
9. PVC/plastic assembly tube	10 pcs
10. M6 Allen key	1 pc

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

Please refer also to our general application guideline.
No handling of silicon containing substances or other products interfering with the reaction in the application area before and during application until the curing of the liquid resin.

Substrate preparation

The substrate must be clean and free from dust and loose particles. All traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance should be removed.

FLOORFINDER EP-C544 AS is poured onto the conductive layer FLOORFINDER EP-E480 (the conductivity of the conductive layer must be checked before*). FLOORFINDER EP-C544 AS must be applied no later than 24 hours after the previous layer has been applied.

Application

The connection of the earthing points to the earthing ground must be carried out and approved by an electrical engineer and in accordance with any relevant local regulations.

Note: The optimum number of earthing connections depends on the local conditions and should be specified using available drawings.

When primer has cured, drill a hole: diameter 8 mm, depth >50 mm.

Remove all dust, loose and friable material around drilled hole and insert a size 8 plastic plug. The plug must be flush with the floor surface. Screw the threaded dowel rod with a hexagonal socket into the plastic plug with an Allen key. Dowel rod must extend 16 mm above the floor.

Fully bond the copper strips (2 × 12 mm) on both sides of the hole. Place the large (D=60 mm) disc followed by the smaller (D=30 mm) disc over the threaded dowel rod and secure with the nut (M6) so the washers are pressed onto the copper strips ensuring good contact.

Push the transparent plastic hose over the threaded dowel rod so the hose fits tightly.

Apply the selected FLOORFINDER conductive primer and conductive wearing finish ensuring all washers and copper tape are completely covered.

After curing of the FLOORFINDER products, remove the transparent plastic hose.

Clean the head of the threaded dowel rod.

Fix the brass eyelet using the self-locking nut (M6) onto the threaded dowel rod.

Connect the grounding cable with the brass eyelet.

FLOORFINDER EP-C544 AS is poured onto the surface and spread over the entire area using a serrated spatula (tooth size no. 25) (layer thickness control). The fluid coating must be rolled with a spiked roller, as required. The operator wears spiked shoes to walk on the wet coating.

For cleaning of tools and other contaminations FLOORFINDER SO-X10 tool cleaner is used.

(C) Technical data

Liquid mixture (A+B)

4. Material consumption (Conductive Topping)	1.4 – 2.8 kg/m ²
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*Note for conductive systems:

To check the conductivity values the guideline acc. progress report "Conductive Coatings for industrial floors" German Construction Chemicals e. V. is recommended. Note: Prior to application of the dissipative floor coating FLOORFINDER EP-C544AS the conductive layer FLOORFINDER EP- E480 has to be measured.

Area coating system	Number of measurements
< 10 m ²	1 measurement / m ²
10 – 100 m ²	10 – 20 measurements
> 100 m ²	10 measurements / 100 m ²

Distance between the measurement points min. 50 cm.

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Product 01304400

2-C EP coating for FLOORFINDER ESD, conductive, colour

3 Further information

CE-Mark



CE Mark according to EN 13813

EN 13813 "Screed material and floor screeds – properties and requirements" specifies requirements for screed material for use in floor construction internally. Resin flooring and sealer coats are also covered by this standard. For details see CE mark and Declaration of Conformity.

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

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