

# MC-Earthing Kit

Earth connection points for conductive coating systems



## PRODUCT PROPERTIES

- Complete set of special tools and consumables for 10 connection points
- Mechanically stable, corrosion-resistant and expansion pressure-free
- Can be reworked and loaded after a short time

## AREAS OF APPLICATION

- Creation of the connection points of antistatic and ESD coatings to the equipotential bonding

## APPLICATION ADVICE

**Substrate preparation:** The connection points of the coating system to the equipotential bonding are placed on a hardened epoxy resin coating in accordance with the layer sequence as per the system specification.

**Earth connection points:** In principle, every electrically non-conductive connected panel (e.g., separated by joints) must be provided with at least one ground connection point. For reasons of long-term functional reliability, two ground connection points should be installed per independent panel if possible. The ground connection points protrude approx. 35 mm from the floor surface and can be shortened to a minimum of 20 mm. Due to the risk of tripping, they should therefore not be installed on areas that are walked on and/or driven on. They should preferably be installed in the immediate vicinity of rising components (walls, supports, etc.) or in places where they will later be covered by equipment or furniture. If it is necessary to place the connection points in the middle of larger areas because the distance to the wall would be too great, the connection points can be sunk into the floor by means of core drilling. A groove should be cut in order to lay the cable for connection to the building earth there.

One connection point can cover a maximum of 200 m<sup>2</sup> of floor space. The maximum distance between connection points depends on the length-to-width ratio of the area:

- 15 m for 1:1 to 3:1
- 10 m for 4:1 to 8:1
- 7.5 m for > 9:1

The MC-Earthing Kit is installed after the scratch coat and trowel coat, as the copper conductive tape should be glued under the MC-DUR GLW conductive layer to avoid the risk of the adhesive coming loose and losing contact.

**Installation:** The following tools are required for installation: Impact drill (SDS plus system), a locksmith's hammer and two open-end wrenches SW 17. The individual steps are shown in the instructions for use enclosed in the packaging. The connection to the building's equipotential bonding system must be carried out by a specialist electrical company. The "MC-Earthing Kit Refill", which contains all the consumables for 10 earth connection points, is available to replenish the consumables used.

### MC-Earthing Kit scope of delivery:

- Drill with depth stop
- Round brush
- Drill hole blower
- Consumables for 10 earthing points
- Construction site case

### Scope of delivery MC-Earthing Kit Refill:

- Consumables for 10 earthing points

Delivery form

Piece by piece

**Note:** The information in this data sheet must be adapted by the installer, specialist planner, and/or building inspector to the respective construction project, intended use, and specific local conditions. Any non-standard local conditions must be taken into account, and application-specific conditions must be reviewed in advance by the planner/specifier. Deviations from the specified standard conditions require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2500028833]