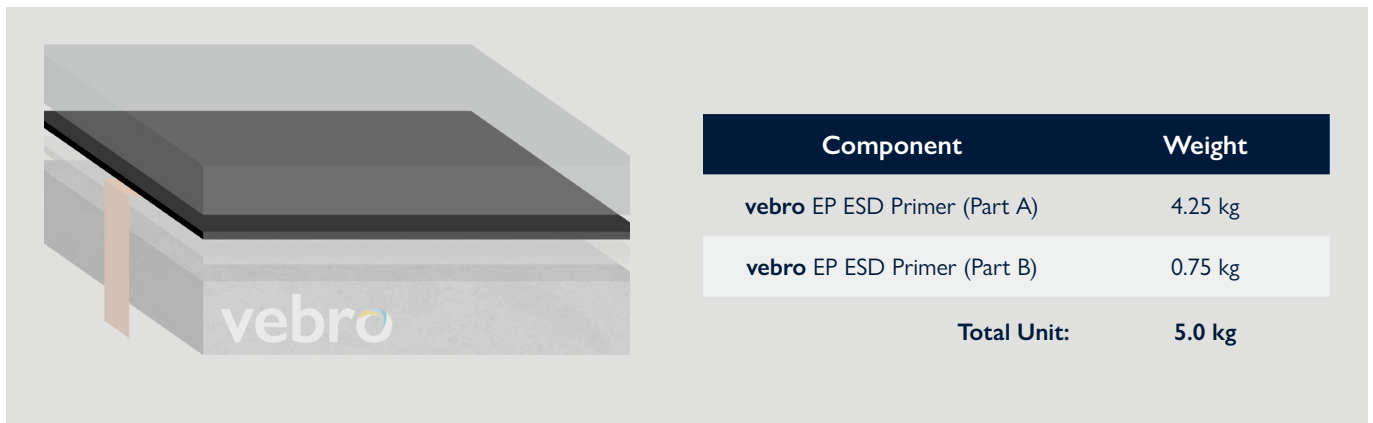


vebro EP ESD Primer (2-Pack)

vebro EP ESD Primer is a low odour, black, water-based conductive epoxy floor primer.

vebro EP ESD Primer is designed for use in the various **vebro** ESD flooring systems where any static charge generated by walking on the surface is safely grounded, eliminating both damage to sensitive components and / or explosion risk

This includes environments where electrostatic discharge can damage sensitive equipment or components such as electronics manufacturing facilities, cleanrooms and laboratories, data centres and server rooms, aerospace and defense industries, pharmaceutical and medical device manufacturing as well as automotive electronics assembly areas



Specific Gravity

1.30 g/cm³ @ 25°C

Working Time

~15 – 25 minutes @ 25°C (usable working life of material following mixing and immediate spreading as per the application instructions).

Coverage

The recommended coverage of vebro EP ESD Primer is 0.10 – 0.12 kg/m² per coat.

Application Temperature Range

~15 – 25°C is recommended. Outside of this range, heating or cooling equipment should be used to achieve ambient conditions. The substrate, before priming, should be at least 3°C above the dew point to reduce the risk of condensation or blooming. This should be maintained for 48 hours after application.

Overcoating Time

Within 24 hours @ 25°C

Speed of Cure

- Light Foot Traffic – 8 – 12 hours
- Light Wheeled Traffic – 48 hours
- Heavy Duty Traffic – 72 hours
- Full Chemical Cure – 7 days

Storage & Shelf Life

All components should be stored off the ground, in a cool dry area, away from direct sunlight between 10 – 30°C. Materials will keep for 12 months in the closed original container and provided the above storage conditions have been met.

Substrate Requirements

All substrates should be capable of bearing loads, free of cracks and voids as well as free from water ponding as well as laitance, dust and other contamination including dirt, oil, grease, coatings, and surface treatments.

The substrate should be sound with a minimum compressive strength of 25 N/mm² and a minimum tensile strength (pull-off) of 1.5 N/mm². **vebro** EP ESD Primer should be applied to the relevant primer or scratch coat as stated in the specification

Substrate Preparation

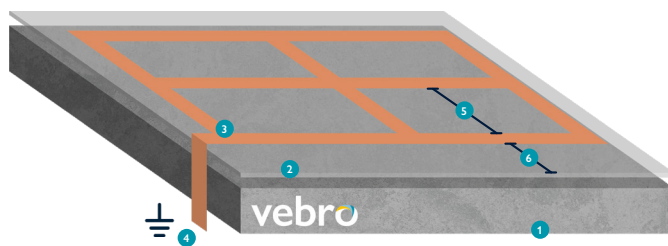
vebro EP ESD Primer must be applied onto a pre-primed substrate.

For the connection to earth points, use self-adhesive copper tape (min 50.0 cm apart). One earthing point is required for each 100m² area is recommended and a minimum of two earthing points per room.

Earthing Points Layout

Apply min. 12.7 mm wide copper tape around the perimeter of the area, 1.0 m from the walls. Apply a 3-metre grid of copper tape within the perimeter tape, as shown on the diagram below. Connect the copper tape grid to earth.

Note: connecting to earth must be carried out by a qualified electrician



- 1 Prepared substrate
- 2 Primer
- 3 Copper tape
- 4 Earth (see table)
- 5 3.0 m centres
- 6 1.0 m to edge

Floor area	Earth Points
> 400 m ²	2
> 600 m ²	3
> 800 m ²	4
> 1000 m ²	5

Application Instructions

Mixing

The contents of the **vebro** EP ESD Primer (Part B) should be drained into the **vebro** EP ESD Primer (Part A) component and the two materials thoroughly mixed at a speed of 500 rpm for three minutes.

Application

Spread the mixed **vebro** EP ESD Primer across the substrate with a squeegee and back-roll with a short-pile roller.

Overcoating

Overcoating should be carried out within 24 hours of application. If longer than 24 hours it will be necessary to lightly grind the surface by mechanical means before overcoating is carried out.

Further Information

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 resin based coating materials must be observed. Suitable protective clothing including suitable eye protection must be worn at all times.

All consumptions listed are for recommendation purposes only. Detailed application instructions and system build-up advice can be provided on request through our Technical Services team.

Vebro Polymers' systems and products are guaranteed against defective material and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

Vebro Polymers accepts no responsibility for liability claims based on the suggested practises and data values listed on product data sheets. Product data sheets are regularly updated and it is the user's responsibility to ensure they obtain the most recent version. The most recent versions can be found at www.vebro polymers.com

for chemistry you can count on...

No. 6, Jalan Eco Perindustrian 1/5B, Eco Perindustrian 5, 42300 Bandar Puncak Alam, Selangor Darul Ehsan, Malaysia

w: vebro polymers.com | e: asia@vebro polymers.com | t: +60 3 5871 2968