

vebro EP Binder

vebro EP Binder is a pigmented two-component epoxy resin binder for liquid tight terrazzo synthetic resin screeds and mortars, which offers excellent workability, as well as very good mechanical properties.

The product can be used together with suitable quartz aggregates as a clear or pigmented binder for specific uses as a mortar, or as a binder for a coloured synthetic epoxy resin terrazzo.

Mortar coatings based on pigmented **vebro** EP Binder and filled with suitably sized and graded quartz sands or as a coloured / pigmented binder for synthetic resin terrazzo decorative stone systems which are used for industrial / commercial floors subject to the highest mechanical loads e.g. shopping malls, airports, municipal, corporate or military buildings, breweries, or other production / commercial sites with heavy-duty traffic.

Substrate Preparation:

The surface must exhibit an adhesive strength of minimum 1.5 N/mm^2 . The surface must be clean and free of dust and loose particles. All traces of contaminants, including oils, fats, grease, paint, chemical and laitance should be removed. Any cracks or damage should be properly remedied prior to application.

Application Instructions:

Prior to application, the material should be heated to an ambient temperature (air and floor temperature).

The A component should be stirred for 1–2 minutes before added entire contents of B component and mixing for further 2–3 minutes. Use a slow speed drill and helical spinner, taking care not to entrain air (or in a forced action mixer if it is small enough to ensure the liquids are thoroughly combined).

When using as a binder mix as above and transfer to a forced action mixer and add the aggregate component. Ensure that all quartz is mixed in from the sides of the container. Mix for a further 3 minutes maximum ensuring the resin is fully dispersed throughout the mix, leaving no dry spots.

Liquid Mixture

Coverage

Dependent on aggregate size and blend

Application Temperature

10 – 30°C
(min 3°C above dew point)

Packaging (Unit Sizes)

7.5 kg

Colour

See Vebro Polymers' Colour Bible

Shelf Life

24 months in closed original container

Storage

Dry conditions 10 – 25°C, avoid direct sunlight, protect from frost.

Working Time

~20 minutes

Foot Traffic

24 hours @ 20°C

Overcoating Window

12 – 24 hours

The typical physical properties given above are derived from testing in a controlled laboratory environment at 20°C. Results derived from testing field applied samples may vary dependent upon site conditions.

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Curing

After application the material must be protected from water and humidity for a minimum of 48 hours (at 20 °C) to ensure optimal curing.

Cleaning & Maintenance

For the long-term maintenance of the properties of polymer flooring materials, a regular cleaning and care programme is recommended.

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 epoxy 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.

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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. For more information, please refer to individual product data sheets or contact our Technical Services team.

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.vebropolymers.com

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