vebro polymers

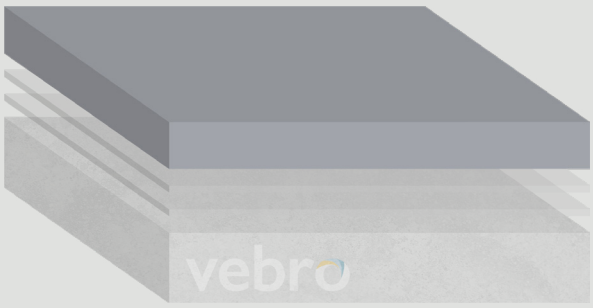
# vebro EP SL1 *(nf)* (3-Pack)

**1.0 mm**

**vebro** EP SL1 *(nf)* is a pigmented, solvent-free, easily applied self-smoothing epoxy floor coating system, designed to protect concrete substrates.

**vebro** EP SL1 *(nf)* is typically applied in one layer for a smooth finish. **vebro** EP SL1 *(nf)* provides an impervious, easy-to-clean, hygienic and seamless surface with excellent wear and chemical resistance as well as high mechanical strength.

**vebro** EP SL1 *(nf)* is designed for use in industrial areas subject to frequent foot traffic and forklift truck traffic as well as hard plastic and steel-wheeled trolley and pallet truck traffic.




| Component | Weight |
|---|---|
| **vebro** EP SL1 (nf) (Part A) | 8.86 kg |
| **vebro** EP SL1 (nf) (Part B) | 3.25 kg |
| **vebro** EP SL1 (nf) (Filler C) | 7.89 kg |
| **Total Unit:** | **20.0 kg** |

## Specific Gravity

1.50 g/cm$^3$ @ 25°C

## Working Time

**~30 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 SL1 *(nf)* is 1.50 kg/m$^2$ per mm thickness.

These coverages are theoretical and may vary due to a number of factors including the condition of the substrate. A recommended 5% wastage addition is advised on all orders.

## Overcoating Time

**~24 hours** @ 25°C (some mechanical preparation may be required).

## Speed of Cure

- Light Foot Traffic – 18 hours
- Light Wheeled Traffic – 24 hours
- Heavy Duty Traffic – 72 hours
- Full Chemical Cure – 7 days

## Storage

All components should be stored off the ground, in a cool dry area, away from direct sunlight between 10 – 30°C

# **vebro** EP SL1 *(nf)* (3-Pack)

FeRFA CE EN 13813 SR-B2, 0-AR0,5-IR20

## Colours


Light Grey (RAL 7035)


Window Grey (RAL 7040)


Dusty Grey (RAL 7037)


Iron Grey (RAL 7011)


Liht Pink (RAL 3015)


Grass Green (RAL 6010)


Oxide Red (RAL 3009)


Traffic Blue (RAL 5017)

Please note, the applied colours may differ from the examples shown. Epoxy materials may exhibit a yellowing effect over time resulting from thermal, UV or chemical exposure. This will be more pronounced on light grey or blue shades, Colours outside of our standard range may incur an additional supplement.

## Application Temperature Range

**~10 – 30°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.

## Substrate Requirements

**vebro** EP SL1 *(nf)* is suitable for application on cementitious substrates and suitable polymer modified screeds.

All substrates should be capable of bearing loads, free of cracks and voids as well as free from 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/mm$^2$ and a minimum tensile strength (pull-off) of 1.5 N/mm$^2$. The concrete substrate must be a minimum of 28 days old and the residual moisture content must be a maximum of 4% CM.

Where the concrete substrate is in contact with the ground, an effective damp proof membrane should have been incorporated into the slab design.

## Substrate Preparation

Substrates should be mechanically prepared using captive vacuum enclosed shot blasting or diamond grinding, to remove surface cement based laitance and previous surface treatments leaving an open textured mechanically prepared surface.

Weak concrete / polymer modified screed must be removed and repaired using recommended Vebro Polymers' products. Imperfections in the concrete (holes and cracks) should be filled using Vebro Polymers' epoxy patching compound.

## Application Instructions

### Priming

If the slab requires priming, **vebro** EP Primer is recommended. See **vebro** EP Primer datasheet for more details

Allow to cure before applying the **vebro** EP SL1 *(nf)*.

For details of other specialist primers contact Vebro Polymers' Technical Department.

### Mixing

The contents of the **vebro** EP SL1 *(nf)* (Part A) should be mixed for approximately 2 – 3 minutes.

The contents of **vebro** EP SL1 *(nf)* (Part B) should be drained into the **vebro** EP SL1 *(nf)* (Part A) component and the two materials thoroughly mixed at speed of 350 rpm for two minutes

The mixed liquid should then be poured into a clean suitably sized separate mixing container and mixed for a further 1 – 2 minutes.

Add the contents of the Filler C to the mixed resin and mix for a further three minutes or until homogenous.

### Application

**vebro** EP SL1 *(nf)* should be poured onto the surface and spread over the entire area using a serrated spatula or notched trowel at a rate of 1.50 kg/m$^2$ per mm thickness before being back-rolled with a spike roller to a self-smoothing gloss finish.

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## Don't forget!

Applicator crew members should wear spiked shoes to walk on the coating while still wet!

**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

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