vebro polymers

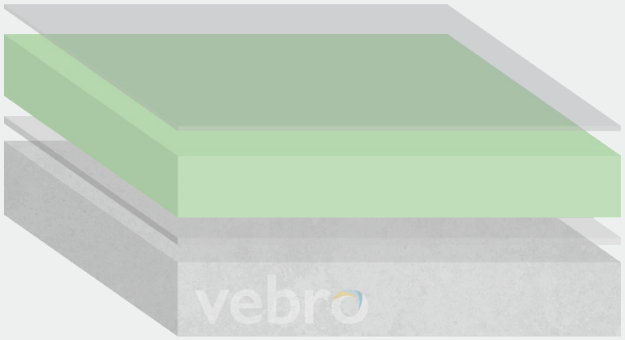
vebroflex PU SL (2-Pack)

vebroflex PU SL is a 2-component, AgBB low emissions certified, pigmented, aromatic, flexible, self-smoothing polyurethane resin.

vebroflex PU SL is used as a self-smoothing layer within **vebro**flex Comfort systems. These systems can be installed in commercial facilities such as schools, hospitals, residential homes and offices.

vebroflex PU SL exhibits high elasticty (up to 200% elongation at break), and can be installed in conjunction with **vebro**flex PU Liquid Membrane to provide an enhanced cushioning effect underfoot.

In addition, **vebro**flex PU SL is recommended for use in multi-use, multi-occupancy spaces, where it offers high levels of sound absorption (up to 20 dB) between floors.



Component	Weight
vebroflex PU SL (Part A)	23.0 kg
vebroflex PU SL (Part B)	7.0 kg
Total Unit:	**30.0 kg**

Density

Mixed Unit: 1.30 kg / ltr

Unit Weight

30.0 kg (23.1 ltr)

Mix Ratio

A:B = 100:30

Coverage

Dependent on specification.

HS Code

(Part A) 3907292090
(Part B) 39095090

Consumption

The recommended consumption of **vebro**flex PU SL is from 1.00 to 3.00 kg/m^2 per coat*.

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

Working Time

~25 minutes @ 20°C (usable working life of material following mixing and immediate spreading as per the application instructions).

Overcoating Time

~24 hours @ 20°C (some mechanical preparation may be required if outside of this window).

Speed of Cure

- Light Foot Traffic – 10 hours
- Light Wheeled Traffic – 24 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 5 – 35°. Shelf life is 12 months when stored as described.

*These coverages are theoretical and may vary due to a number of factors including the condition of the substrate. It is the applicator's responsibility to ensure the substrate has been surveyed and tested. A recommended 5% wastage addition is advised on all orders.

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Colours

RAL classic colours

RAL 7035 Light Grey	RAL 7038 Agate Grey	RAL 7037 Dusty Grey	RAL 7023 Concrete Grey	RAL 7024 Graphite Grey
RAL 7021 Black Grey	RAL 9017 Traffic Black	RAL 1013 Oyster White	RAL 1001 Beige	RAL 1011 Brown Beige
RAL 1003 Signal Yellow*	RAL 2000 Yellow Orange*	RAL 3015 Light Pink*	RAL 5019 Capri Blue*	RAL 6019 Pastel Green*

Please note, the applied colours may differ from the examples shown. **vebro**flex PU SL is aromatic and 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 (marked with an *) will incur an additional supplement. The manufacture of resin flooring is a batch process and despite close manufacturing tolerances, minor variations in shade may occur between batches.

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. Do not proceed with application if atmospheric relative humidity is, or is anticipated to be >75% or if the surface temperature is <3 °C above the dew point.

Substrate Requirements

vebroflex PU SL 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.

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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**flex PU SL. To improve inter-coat adhesion, broadcast **vebro** Natural Quartz (0.2 – 0.5 mm) while the primer is still wet.

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

Mixing

The contents of the **vebro**flex PU SL (Part A) should be mixed for approximately 1 – 2 minutes.

The contents of **vebro**flex PU SL (Part B) should be drained into the **vebro**flex PU SL (Part A) component and the two materials thoroughly mixed at speed of 350 rpm for 2 – 3 minutes

Application

vebroflex PU SL should be poured onto the surface in portions and spread over the entire area using a flat bladed rubber squeegee or notched trowel at the recommended consumption rate per coat, before being back-rolled with a spiked roller.

Don't forget!

Use a spiked roller to back roll the material and ensure no air is trapped within the surface!

Overcoating

Overcoating with **vebro**flex products or sealers 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.

UK CA CE

Manufactured by:	**Vebro Polymers UK Limited,** *Argyle House, Stanley Green Trading Estate, Epsom Avenue, Handforth, Wilmslow, Cheshire, SK9 3RN, United Kingdom*		
Harmonised Standard	EN 13813:2002 (System 4) Reaction to Fire Behaviour (System 3)		
Intended Use:	Synthetic resin screed materials for use internally in buildings and intended for wearing surfaces.		
Reaction to Fire	B_{fl}-s1	***Release of Corrosive Substances***	SR
Wear Resistance	AR0,5	***Bond Strength***	B2.0

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.vebropolymers.com

for chemistry you can count on…

Argyle House, Stanley Green Trading Estate, Epsom Avenue, Handforth, Wilmslow, Cheshire, SK9 3RN, United Kingdom

w: vebropolymers.com | e: hello@vebropolymers.com | t: +44 (0) 1618 738 396