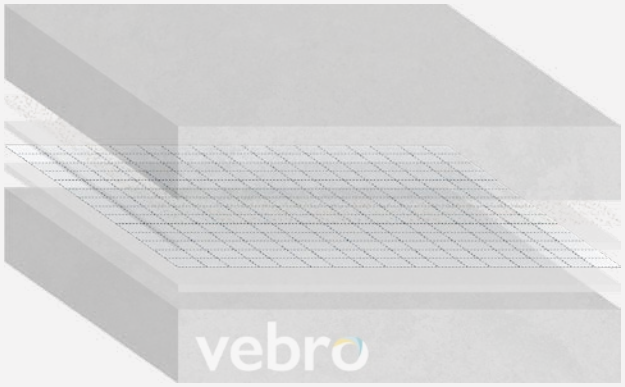
vebro polymers

vebro Fibreglass Mesh

vebro Fibreglass Mesh is an alkali-resistant reinforcement mesh used with **vebro** EP Primer and **vebro** Natural Quartz to create a controlled bond-break and stable separation layer on substrates unsuitable for direct adhesion.

vebro Fibreglass Mesh is ideal for isolating unstable bases, helping establish a dependable intermediary surface that enhances the integrity of the wider flooring build-up.

Lightweight, durable, and dimensionally stable, the mesh offers excellent tensile strength and works with the primer-quartz system to provide a uniform, textured surface for screed adhesion.



Component	Length	Width
vebro Fibreglass Mesh	50.0 m	1000.0 mm
Total Coverage:	**50.0 m²**	

Characteristics		Test Method	Value
Mesh aperture		Comp Method PP - Q - S 05	4.0 × 5.0 mm
Construction fabric, Tex	*Warp*	DIN 12654	EC13-136 Z 20
	Weft		EC14-300 / E-Glass roving / 320 tex
Thread count per 10.0 cm	*Warp*	DIN 53853	(24 × 2) ± (1 × 2)
	Weft		20 ± 1
Width		DIN EN 1773	1000.0 mm + 1.0 mm / - 0.0 mm
Weight *(g/m²)*		DIN EN 12127	≥ 160 ± 5
Tensile strength as in delivered state *(N/50.0 mm)*	*Average*	EN ISO 13934.1	≥ 2000
	Single		≥ 1750
Tensile strength after aging *(ETAG 004)*		EN ISO 13934.1	≥ 50% of as-delivered state ≥ 20 N/mm
Roll length		-	50.0 m

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Application Temperature Range

vebro Fibreglass Mesh in installed with **vebro** EP Primer, which is affected by temperature during installation.

~5 – 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

vebro EP Primer 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 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/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

Concrete or suitable polymer modified screed 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** EP Mortar.

Application Instructions

Application

A single layer of **vebro** EP Primer should be installed onto the suitably prepared substrate. **vebro** Fibreglass Mesh should be installed into uncured **vebro** EP Primer.

Once cured, and during the overcoating window, a second coat of **vebro** EP Primer should be applied.

Broadcast with **vebro** Natural Quartz while the second coat of **vebro** EP Primer is still wet.

See **vebro** EP Primer and **vebro** Natrual Quartz datasheets for more details.

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.

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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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