

v-Screed Rapid

(Standard & Heavy Duty)

rapid-drying screed additive

v-Screed Rapid is a rapid-drying, powder, screed additive, designed to accelerate the drying time and reduce the moisture content of traditional sand and cement site batched screeds between 15.0 – 100.0 mm.

v-Screed Rapid is mixed with OPC (Ordinary Portland Cement), water and reinforcement fibres where required for use in bonded, unbonded and floating screed applications. The additive is also suitable for use in screeds designed to retain underfloor heating systems.

v-Screed Rapid (Standard Mix) is suitable for all commercial and domestic applications in accordance with BS 8204. v-Screed Rapid (Heavy Duty Mix) is recommended in areas subject to very heavy traffic.

Features

- ✓ Foot traffic in 24 hours
- ✓ Can be overlaid in 4 days from removal of the curing polythene sheet at 50.0 mm
- ✓ Can be overlaid in 3 days from removal of the curing polythene sheet at 75.0 mm
- ✓ Suitable to achieve Category A, B & C screeds
- ✓ BS 8204-1 Surface Regularity – SR2
- ✓ Apply bonded, unbonded and floating
- ✓ Suitable for underfloor heating systems
- ✓ Suitable to receive a resin floor coating system
- ✓ Suitable for use in conjunction with screed pumps

Applications

- ✓ Mixed Use, Multi-Occupancy Buildings
- ✓ Shopping Centres & Retail Parks
- ✓ Healthcare Facilities
- ✓ Schools, Colleges & Universities
- ✓ Commercial Office Buildings
- ✓ Airports, Transport Hubs & Stadiums

how much v-Screed Rapid do I need?

v-Screed Rapid (Standard Mix) Typical Design Mix / m ³ (20.0 m ² @ 50.0 mm)	
OPC (42.5N)*	500.0 kg
Grade (MP) Sand Cat. 1**	1,500.0 kg
v-Screed Fast	60.0 kg
PP Fibres	1.5 kg
Water	Up to 180 ltrs

v-Screed Rapid (Heavy Duty Mix) Typical Design Mix / m ³ (20.0 m ² @ 50.0 mm)	
OPC (42.5N)*	500.0 kg
Grade (MP) Sand Cat. 1**	1,200.0 kg
5.0 mm or 6.0 mm aggregate ***	300.0 kg
v-Screed Fast	60.0 kg
PP Fibres	1.5 kg
Water	Up to 180 ltrs

* Portland cement must conform to BS EN 197-1 Class 42.5

** Sand to BS 13139:2002

*** Aggregate to BS EN 12620

Technical Profile

Performance Criteria		
Compressive Strength	BS EN 13892-2	1 day: 30 N/mm ² 28 days: 68 N/mm ²
Drying Time*	50.0 mm 1 day: 84% RH 2 days: 80% RH 3 days: 76% RH 4 days: 74% RH	75.0 mm 2 days: < 80% RH 3 days: < 73% RH

The typical physical properties given above are derived from testing in a controlled laboratory environment with the correct water ratios. Results derived from testing field applied samples may vary dependent upon site conditions.

* The data is based on drying @ 20°C and 65% relative humidity. Low temperature, high humidity, increased screed thickness and changing the mix design will delay drying. If the screed is covered with a curing membrane such as polythene, then the drying time starts when the membrane is removed. The relative humidity (RH) at the surface of the screed should be measured with a hygrometer before proceeding to lay floor coverings. The accepted relative humidity at the surface of a screed for the laying of vinyl floor coverings is 75%. Standard practices should be followed.

v-Screed Rapid screeds can be laid either bonded, unbonded or floating, determined by the substrate type. Bonded screeds must be laid on to a suitably prepared substrate. Unbonded screeds are those laid on a separating layer or preformed damp proof membrane. Floating screeds are those laid on to an insulation board.

Resin Bonded Screed (from 15.0 mm – Standard & 30.0 mm – Heavy Duty)

Use one-coat of **vebro** EP DPM Plus prior to installation. A two-coat application may be required dependent on the substrate RH%. (Relative Humidity).

Polymer Bonded Screed (less than 50.0 mm)

Minimum screed thickness for v-Screed Rapid Standard Mix is 15.0 mm.

Prime the substrate with **vebro**screed SBR mixed with water (5:1). Mix diluted **vebro**screed SBR with Ordinary Portland Cement (1:1) by volume to a creamy consistency for use as a bonding agent. **Please note;** if the bonding coat dries it must be vigorously scratched to form a mechanical key and re-applied.

Polymer Bonded Screed (greater than 50.0 mm)

Mix **vebro**screed SBR with water and Ordinary Portland Cement (1:1:3) by volume to a creamy consistency for use as a bonding agent. **Please note;** if the bonding coat dries it must be vigorously scratched to form a mechanical key and re-applied.

Unbonded Screed (from 40.0 mm)

Install reinforced with PP Fibres or D49 steel mesh fabric to BS 4483 ref D49.

Floating Screed

Install reinforced with PP Fibres or D49 steel mesh fabric to BS 4483 ref D49.

Floating screeds can generally be laid at 65.0 mm for domestic projects & 75.0 mm on large-scale commercial projects, but can be less depending on the Insulation or Void Former thickness & density. Contact our Technical Services team – technical@vebro polymers.com.

Screeds incorporating v-Screed Rapid should be cured under polythene for a period of 24 hours, the sheet should be well lapped and completely cover all exposed edges.

v-Screed Rapid screeds are not intended to be wearing surfaces and must be protected, by suitable sheet materials, in areas where it may be subjected to intensive or heavy use before final floor finishes are applied. The responsibility for this protection should be that of the main contractor.

Installation of Vebro Polymers' products should be carried out by an applicator with documented quality assurance and experience.

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 – technical@vebro polymers.com

All data values and suggested practises listed on system data sheets are approximate and for representation purposes only. In all instances, prior to installation a project-specific specification and / or professional advice should be sought.

Vebro Polymers accepts no responsibility for liability claims based on the suggested practises and data values listed on system data sheets. System 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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