



Vetotop CS537

Premixed 20 to 100 mm thick cementitious bonded screed.

Uses

- Leveling of concrete slabs prior to the application of final floor coverings.
- Screeding over hollow-core pre-cast concrete slabs.

Product Description

Vetotop CS537 is a single component cementitious bonded floor screed composed of hydraulic binders, silica sand, selected aggregates, and special additives. It is supplied as a dry powder in pre-weighed bags ready to use on-site, once mixed it will form a screed-able trowellable mortar that is applied in thicknesses between 20 and 100 mm.

Advantages

- Factory controlled pre-blend ensures consistently high quality.
- Suitable for Middle East harsh weather conditions.
- Easy application enabling high productivity & superior finishing.
- High bond to the substrate.
- Excellent physical and mechanical properties.
- Shrinkage compensated.
- Excellent workability.

Standards Compliance

- EN197: 2011
- EN13813:2002
- BS8204:2010
- ASTM C109

Technical Data

Vetotop CS537	Typical Values
Appearance	Grey color powder
Aggregate size (mm)	0-5 mm
Application thickness	20 - 100 mm
Dry density (Kg/Liter)	1.80 approx.
Wet density (Kg/Liter)	2.30 approx.
Working time @ 25°C	45 min approx.
Flexural Strength	> 5.5 MPa
Compressive Strength (ASTM C109)	@ 1 day > 13 MPa
	@ 3 days ≥ 22 MPa
	@ 28 days > 33 N/mm ² approx.
Water demand	9 - 10 %

Usage Instructions

Surface Preparation

The surface should be sound, clean, free from loose material, grease, laitance, dirt curing compound, etc.

Priming

Vetotop CS537 is a bonded screed that can be laid in thickness between 20 - 100 mm.

For more adhesion, an epoxy bonding agent can be used such as Vetobond EB430 or Vetobond EB431. Vetobond PB434 slurry can also be used.

To prepare the slurry primer mix 1 volume of Vetobond PB434 to 1 volume of clean water with 3 volumes of fresh cement and mix until a smooth consistency is achieved. Scrub the mixed slurry into the concrete surface, while the slurry is wet apply Vetotop CS537 in order to ensure good adhesion with the substrate.

Mixing

For mixture preparation, pour into a container 4.5-5 liters of water for 50 Kg bag of Vetotop CS537.

Add the powder to the water and mix with a low speed electric drill fitted with a suitable paddle, until a uniform, lump free consistency mix is achieved. No further water should be added to the mix. Do not add water to the mix once it starts to set.

Application

Pour the mixed product onto the surface and spread to the desired thickness using steel trowel or suitable tools. Cover the screed with a plastic sheet to avoid drying.

Cure the screed as per standard concrete curing practices. Do not subject the screed to vehicular traffic for 28 days till ensure full cure and systems ability to withstand designed traffic loads.

A concrete sealer is required for enhancing the screed durability and resistance to ingress of water, apply Vetoseal XW770 at a rate of 8 to 12 m² per liter. Make sure that the sealer is uniformly applied and covering all screed surface.

Cleaning

Clean tools with water promptly before material hardens. Hardened material can be mechanically removed.

Packaging & Coverage

Product	Pack Size	Yield
Vetotop CS537	50 Kg Bag	21.7 - 27.8 Ltr

Stated consumptions data are for general guidance. Actual consumption depends on the nature of the substrate, method of application and wastage.

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Shelf Life & Storage

An original sealed bag of Vetotop CS537 has a shelf life of 12 months provided it is stored clear of ground in a dry and shaded place below 35°C.

Limitations

- Do not apply the product at a temperature of less than +5°C.
- Vetotop CS537 should be checked for its suitability when concrete is steam cured. Also, carry out prior tests for its suitability when gypsum or colored mixes are being used.
- For further information contact our technical department.

Health & Safety

Vetotop CS537 is highly alkaline therefore avoid direct contact with eyes or skin. Vetobond PB434 is a latex emulsion. It is recommended to use protective gloves and goggles during application.

Any skin contact should be washed with plenty amount of water. In case of eye irritation, immediately wash with a copious amount of clean cold water. Seek medical advice.

Vetotop CS537 is non-flammable.