

THERMAL INSULATION



Vetotherm Plaster

Advanced modified cementitious thermal insulating plaster

Uses

- Thermal insulation of residential and non-residential concrete buildings.
- Save energy consumption related to heating and cooling.
- Internally or externally in wet & dry conditions onto block walls & rough surfaces.

Product Description

Vetotherm Plaster is a blend of OPC, silica sand, and graded lightweight aggregates plus functional additives for enhancing Workability and adhesion. Vetotherm Plaster is applied on all surfaces after the proper preparation of the surface. The product provides thermal insulation for building wall sections relying on advanced material technologies.

Advantages

- Excellent thermal insulation properties.
- Fast mixing application using a spray machine.
- It contains a special additive that reduces friction and prolongs the lifespan of the equipment.
- Factory-controlled pre-blend ensures consistently high quality.
- Requires only the addition of water on-site at the time of usage.
- Uniform color/mass.
- Improved workability & curing.
- Easy application with uniform workflow enables high productivity & superior finishing.
- Strong adhesion on a variety of substrates.
- Internal & external applications.
- Shrinkage control reduces surface cracks.
- Suitable for humid & dry conditions.

Standards Compliance

- BS:EN 998-1 CSII Wc1 T2

Technical Data

Vetotherm Plaster	Typical Values @ 25°C
Appearance	Grey Granular Powder
Dry Density (kg/lit)	0.60 Approx.
Hardened Density (kg/lit)	0.60 Approx.
Recommended Application Thickness (mm)	25 - 100
Pot Life (Minutes)	90
Setting Time (Hours)	4 - 8
Wet Density (kg/lit)	0.70 Approx.
Compressive Strength BS EN 1015-11@ 28 Days (N/mm ²)	≥ 3
Adhesion BS EN 1015 - 12 @ 28 Days (N/mm ²)	0.3 Approx.
Thermal Conductivity BS EN 12664 (W/m.K)	0.12 Approx.

Usage Instructions

Surface Preparation

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

Before Vetotherm Plaster, wet the entire surface with clean potable water; the surface should look damp at the time of the Vetotherm Plaster application.

For smooth concrete surfaces, a spatter dash should be applied before the application of Vetotherm plaster.

Mixing

Add to the mixing container 6 - 7.4 liters of water for each 20 Kg bag of Vetotherm Plaster or 900 - 1300 lit/hr for the plastering machine application. Add the powder to the water and mix with a mechanical plaster mixer or low-speed electric drill fitted with a suitable paddle until achieving a uniform, lump-free consistency.

Manual mixing is allowed for small batch quantities. Mix for approximately 1 - 2 minutes until achieving a homogeneous mix.

Application

Apply Vetotherm Plaster in a single or two coats manual or machine application to achieve the desired thickness of 25-100 mm.

Apply the mixed material using a spray machine or hawk & trowel technique. Rod or screed to uniform thickness, not exceeding 25 mm for a single coat or 25 mm for each coat for multiple layers. Press the first layer hard against the surface.

For the second layer, allow the first layer to set (60 - 120 min depending on weather) partially. Apply the second layer as described above.

Water spray the surface if the second layer is carried out the next day.

To ensure proper water demand for this job, it is a best practice is to do the application on a small area with the desired thickness to check the adhesion to substrate and the cohesiveness of the material.

Legal Disclaimer

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Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Curing

The best way to cure Vetotherm Plaster is by spraying water evenly on the applied material surfaces every 12 hrs for a minimum of 3 days. During hot & dry conditions, allow curing for a minimum of 5 days; It will help obtain high mechanical strengths.

Cleaning

Clean all tools immediately after finishing with water. Clean hardened materials mechanically.

Packaging & Coverage

Product	Pack Size	Theoretical Coverage
Vetotherm Plaster	20kg Bag	≈ 36 Lit Wet/20kg bag

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

Shelf Life & Storage

The original sealed bag of Vetotherm Plaster has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

Limitations

- Do not mix with any additives or products unless recommended by Saveto.
- Make sure the substrate is suitable for plaster application. In case of doubt, try on a sample area to assess its suitability.
- Do not apply the product at a temperature less than +5°C. During the summer season, cover the working area to prevent ill effects from direct sun and excessive air-draught during the initial curing stage.

Additional Information

Saveto manufactures a wide range of construction chemicals and speciality products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.

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