

Technical Data Sheet

BS-8440 Cementitious Waterproofing



Features

- ◆ Superior Bonding Strength
- ◆ Non Toxic

Available Colour

- ◆ Cement grey (After mixing)

Packaging

- ◆ 5 kg/ set
(4kg powder+1kg latex)~4/carton
- ◆ 25 kg / set
(20kg powder+5kg latex)

Product Specification

Appearance	: Component A: Grey premix powder : Component B: Milky liquid
Specific Gravity	: 1.9 – 2.2 (after mixing)
Solvent	: Not present
pH (25 °C)	: 11 - 13
Application Temperature	: 5 °C to 40 °C

Description

A semi-rigid cement based of two components polymer modified waterproof coating. It is formulated with specially selected and graded fine quartz and high quality polymer to create brushable, smooth slurry with excellent bond and adhesion to most substrates. It seals pores voids and cracks of substrates and yet provides a breathable coating which allows water vapor transmission.

Applications

- ◆ It is used to provide water and damp proofing coats to concrete structures, bricks and masonry works, plasters etc.
- ◆ Used in underground retaining walls, tunnels and basements.
- ◆ Foundation walls and footing subjected to ground moisture can also be protected by it.

Advantages

- ◆ Excellent water resistance for both positive and negative side application.
- ◆ Being cementitious, it has similar expansion as concrete and become part of the structure after cured.
- ◆ Provides a tough, durable, seamless and flexible film and protects concrete from corrosive salts and atmosphere gases, and offer attractive textural finish for decorative purpose.
- ◆ Coating is breathable, allowing transmission of water vapor from interior of the building.
- ◆ VOC compliant, nontoxic, efficient and economical to apply.
- ◆ Puncture resistance due to the hardness and strength of the cementitious base.

Preparation

- ◆ Remove loose plaster, if any. All the cracks above 0.7mm width should be properly sealed.
- ◆ The surface should be structurally sound and free from oil, grease and loose particles.
- ◆ For new concrete, it should be wait for at least 14 days before applying the Cementitious Waterproofing.
- ◆ Prior to the application, the surface of concrete should be thoroughly wetted or damped but residue water must be removed. The application temperature should be between 15 °C to 45 °C.

BS-8440

Cementitious Waterproofing

Direction

1. Use clean containers for mixing. Mix materials with mechanical mixing equipment.
2. Mix only the amount of material that can be applied within limited "open time". Do not rework set or hardened material; remove such material from the site.
3. Pour about 2/3 of the component B into the container. Slowly add the powder (component A) to the liquid while stirring and mix to a smooth paste free from lumps of undispersed powder.
4. Dilute to a brushable consistency using the remaining liquid (component B). Less liquid may be used if a stiffer mix is required. Do not add additional water.
5. While the surface is damp, apply the Cementitious Waterproofing to the surface with a brush, roller or spray at the minimum rate of 0.8 kg per sq. meters. The base coat will be cured to dry at least for 24 hour.
6. For the permanent sealing and waterproofing result, it is necessary to apply two coats or more, with the first coat allowed to dry before applying the second coat at the right angles on the first coat
7. The coverage for 25 kg per set of Cementitious Waterproofing is about 1.5kg/m² to 2.0kg/m².
8. All tools should be cleaned with water immediately after use. Clogged brush can be cleaned by soaking in very hot water with a little detergent. Cured material can only be removed mechanically.

Special Note

- ♦ All data and information is based on the non-tinted, white color formulation.
- ♦ **IMPORTANT!** Color may vary slightly from batch to batch. Check the color and "box" this product on jobsite. Color may vary with texture, lighting and sheen. Verify color before applying.
- ♦ **ALGAE AND FUNGUS RESISTANCE:** This paint contains an agent that inhibits the growth of algae and fungus on the surface of this paint film. However, no paint can completely prevent the growth of algae and fungus under circumstances ideal for its growth; therefore, Vital Technical assumes no responsibility for algae and fungus development.

Caution

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Avoid breathing vapours. Wear protective gloves and eye protection. IF ON SKIN: Wash with soap and water. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If skin irritation or a rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Keep out of reach of children. May produce an allergic reaction. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

Storage

Store under cover, in dry and cool place with temperature not accessing 30 °C. Protect from freezing.

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.