



Technical Data Sheet

VT-440 VitalShield - Cementitious Waterproofing



Revision No.: 20-01

Issuance date: 31/03/08

Revision date: 15/07/20

VT-440 VitalShield

DESCRIPTION

Cementitious Waterproofing

APPEARANCE

Component A: Grey premix powder Component B: Milky liquid

COLOR Cement grey (after mixing)

PACKAGING

5 kg/ set (4 kg powder + 1 kg latex) (4 sets/carton) 25 kg/ set (20 kg powder + 5 kg latex)

SHELF LIFE 12 months

STORAGE

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

APPLICATION

TEMPERATURE 5 °C - 40 °C

VT-440 Vitalshield is a 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.

TECHNICAL DATA	Specific Gravity Solvent pH (25°C)	: 1.9 – 2.2 (after mixing) : Not present : 11 – 13		
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 atmospheric gases, and offer attractive textural finish for decorative purpose. Coating is breathable, allowing transmission of water vapor from interior of the building. Puncture resistance due to the hardness and strength of the cementitious base 			
APPLICATION	 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. 			
PREPARATION	 Remove loose plaster, if any. All the cracks above 0.7 mm width should be proper 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 VT-44 Vitalshield. Prior to the application, the surface of concrete should be thoroughly wetted or dampe but residue water must be removed. The application temperature should be betwee 15 °C to 45 °C. 			
APPLICATION DIRECTION	 Mix only the amount of materi re-work set or hardened materi 3. Pour about 2/3 of the comp (component A) to the liquid wh undispersed powder. Dilute to a brushable consister may be used if a stiffer mix is in 5. While the surface is damp, ap roller or spray at the minimum to dry at least for 24 hour. For the permanent sealing and or more, with the first coat allo angles on the first coat The coverage for 25 kg per se All tools should be cleaned w 	g. Mix materials with mechanical mixing equipment. al that can be applied within limited "open time". Do no rial; remove such material from the site. bonent B into the container. Slowly add the powde hile stirring and mix to a smooth paste free from lumps o ncy using the remaining liquid (component B). Less liquid required. Do not add additional water. oply the VT-440 Vitalshield to the surface with a brush rate of 0.8 kg per sq meters. The base coat will be cured d waterproofing result, it is necessary to apply two coats owed to dry before applying the second coat at the righ t of VT-440 Vitalshield is about 1.5 kg/m ² to 2.0 kg/m ² . rith water immediately after use. Clogged brush can be t water with a little detergent. Cured material can only be		

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VT-440 VitalShield	 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 "this product on jobsite. Color may vary with texture, lighting and sheen. Verify color be applying. ALGAE AND FUNGUS RESISTANCE: This paint contains an agent that inhibits growth of algae and fungus on the surface of this paint film. However, no paint completely prevent the growth of algae and fungus under circumstances ideal for growth; therefore, Vital Technical assumes no responsibility for algae and fur development. 				
	CAUTION Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation Avoid breathing vapours. Wash hands thoroughly after handling. Wear protective gloves an eye protection. IF IN EYES: Rinse continuously with water for several minutes. Remov 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. Kee out of reach of children. Safety data sheet available on request. For further health and safet information, consult the latest safety data sheet.				
	LEGAL NOTES	Every endeavour has been made to ensure that reliable but it is given only for the guidance of ou any responsibility for the loss or damage that may to the possibility of variations of processing or outside our control. Users are advised to confirm s	r customers. The company cannot accept result from the use of the information, due working conditions and of workmanship		