



VITAL TECHNICAL SDN. BHD.

Technical Data Sheet

VT-400

VitalProof BX

- Bitumen Emulsion Coating



Issuance date: 31/03/08

Revision date: 18/08/20

Revision No.: 20-01

VT-400 VitalProof BX

Bitumen Emulsion Coating

APPEARANCE

Dark brown viscous liquid

ODOR

Asphalt odor

PACKAGING

4.5 kg/ pail
(4/ carton)
18 kg/ pail
20 kg/ pail
200 kg/ drum

SHELF LIFE

12 months

STORAGE

Store under cover, in dry and cool place with temperature below +25°C. Protect from freezing.

APPLICATION TEMPERATURE

5 °C – 40 °C

DESCRIPTION



VT-400 VitalProof BX is a heavy-duty, multi-purpose, water-based bitumen emulsion coating for joint-less waterproofing compound and allows high water vapour permeability against the blistering. It is economic, ready-to-use and dry into flexible, odorless, taint free, toxic free, fungus resistance, durable coating especially effective in reducing “concrete cancer”, carbonation, spalling and sole plate attack.





TECHNICAL DATA	Property	Value	Standard
	Specific Gravity	: 1.00 ± 0.03	
	Solid	: 47 – 55%	
	pH (25°C)	: 8 - 11	
	Thermal Conductivity, K Value	: 0.69 W/ mK (2mm thickness)	ASTM E1530-06
	Thermal Resistance, R Value	: 3.22e ⁻³ m ² .K/W	ASTM E1530-06
	Solubility in water	: Emulsifiable	

- FEATURES**
- Ready to use
 - Odorless
 - Durable coating
 - Fungus resistance

- APPLICATION**
- **General Waterproofing:** concrete, brick, bitumen & mastic asphalt membranes, asbestos cement, slates, tiles, lead copper, zinc, corrugated iron and similar surfaces.
 - **Wet Area Waterproofing:** toilet, kitchen, balconies, walls, planter box, insulation protection, etc.
 - **Metal Protection:** against pipe corrosion, structural steelwork, gutting and down pipes, shed walls water tanks, troughs, metal fence posts, garden frames windmill frames, drums, outdoor machinery and other metallic equipment.

- PREPARATION**
1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
 2. Repair cracks, breaks, open seams with a heavy sealer such as VT-500 Vital Mortar.
 3. Prepare porous surfaces by priming with diluting 1:1 ratio with water; treat with fibre mesh before it dry.

- APPLICATION DIRECTION**
1. Stir well before use.
 2. Apply at the rate of 1.33 litre/m² by brush, roller, or soft bloom.
 3. For best results apply two coats, with the first coat allowed to dry before applying the second coat at the right angles on the first coat.
 4. Each coat should exceed 1 mm thickness and allow at least 4 hours for single coat to dry. Drying time may vary depending upon wet film thickness, temperature, humidity and air movement.
 5. For reinforcement purpose, an open woven glass fibre may be incorporated onto uncured first coat and apply the second coat before it is completely dry.
 6. All wet material, tools, and equipment may be cleaned with water. Rinse tools and equipment with water before use. Clean with water when wet, but with white spirit when dry.
 7. Protect the coating surfaces from frost and rain until fully cured. The maximum durability is obtained if the coating is left 2-3 days for full curing before apply any protective coating on top.

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CAUTION

Keep out of reach of children. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

LEGAL NOTES

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.