Issuance date: 31/03/08 **Revision date: 17/11/21** **Revision No.: 21-01**

VT-410 VitalCoat

Acrylic Elastomeric Coating

APPEARANCE
Viscous liquid

COLORS
White
Grey
Green
Red
* Special colors available upon request.

PACKAGING
1 kg/ pail
(12/carton)
5 kg/ pail
(4/ carton)
20 kg/ pail

SHELF LIFE
12 months

STORAGE
Store under cover, in dry and cool place with temperature below 30 °C. Protect from freezing.

APPLICATION TEMPERATURE
5 °C – 40 °C

DESCRIPTION

VT-410 VitalCoat is a single component, ready-to-use, water-based acrylic waterproofing liquid membrane. It is specially formulated to provide excellent film build and maximum flexibility and protection when applied on architectural finishes. It is highly fade and chalk resistant, and it exhibits weather and chemical resistance with outstanding adhesion and permeability. VitalCoat is an elastomeric coating commonly used for sealing roof slabs, walls, or other substrates where cracks and water seepages may occur. With its 100% acrylic latex composition, VitalCoat is extremely durable, fungus and algae resistant, UV degradation resistant, has high elongation, high volume of solids, and low shrinkage after cure.

TECHNICAL DATA	Solid	: 63.0 – 65.0 %	
	Specific gravity	: 1.33 – 1.38	
	pH (25 °C)	: 8 – 9	
	Solubility in water	: Emulsifiable	
	Elongation at break	: 220%	
	VOC content	: <10 g/L	USEPA Method 24
	Low VOC compliance	: Yes	SCAQMD Rule #1168

FEATURES

- Ready to use
- Weather and chemical resistant
- Fungus and algae resistant
- High elongation and high percentage of solid contents

APPLICATION

- Well suited for repair and prolong various roof life where cracks and water seepages occur. It prevents water leaking by bridging and sealing hairline cracks on concrete roof slabs, walls, bricks, screeds, wood, metal, composite fiberboard, foam board and other substrates, but not for areas that will subject to heavy foot traffic like decks, alcoves, ponds and tanks.
- It resists weathering damages well and remains flexible for long term. During temperature changes, it expands or contracts thus preventing new hairline cracks from manifesting on the film itself.
- It is easy to apply on vertical or horizontal surfaces due to its high thixotropic characteristic. It features easy clean-up, low odor and low VOC properties, therefore it can also be used as a premium water based architectural paint.

PREPARATION

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. If there are any cracks with more than 4 mm width, proper elastomeric patching compound needs to be applied prior to the application of VitalCoat.
3. It is not required to thin the product before use. However, if desired, mix with water up to 10% of the total volume in order to improve the flow and adhesion of the product, especially when applied on porous surface. Do not over thin it.

APPLICATION DIRECTION

1. Apply VitalCoat by brush, roller, spatula, or airless spray apparatus (diameter of nozzle: 0.018" - 0.026" min, spraying pressure: 165 bar).
2. For 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 angle on the first coat. Dry film thickness should not be less than 1mm per coat.
3. The coverage of VitalCoat is about 1 kg/m² (per coat) and 2 kg/m² (for two coats).
4. Each coat should be allowed to dry in at least 2 to 3 hours. Drying time may vary depending on wet film thickness, temperature, humidity and air movement.
5. For reinforcement purpose, fiber mesh may be incorporated on uncured first coat, and apply second coat before it totally dries.
6. All materials, tools and equipment may be cleaned up with water when still wet. Clean 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 7 days for full cure.
8. Do not wash this coating before full cure. After cure, it may be washed with mild liquid detergent and soft cloth or sponge, then rinse off.

VT-410
VitalCoat

SPECIAL NOTE

- All data and information are 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

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.