

	VITAL TECHNICAL SDN. BHD.	  <small>ISO 9001:2008 Certificate No.: 6884</small>	Issued Date: 31/03/08
	Technical Data Sheet		Revision No.: 2
	VT-410 VitalCoat		Revised Date: 20/09/10
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Product Specification:

Appearance	Viscous liquid
Color	White, grey or special order color
Specific Gravity	1.32 ± 0.03
Solid	63 – 66%
Application Temperature	5°C TO 40°C
pH (25°C)	8 – 9
Solubility in water	Emulsifiable
Elongation at break	220%



Product Description:

VT410 VitalCoat is designed to provide multi-purpose waterbase elastomeric acrylic coating for joint-less sealing of roofs and other substrates with a lot of crack and water seepage.

It features a versatile function due to the 100% acrylic latex composition which is extremely durable, fungus and algae resistance, UV degradation resistance, high elongation and high volume solids and low shrinkage.




VitalCoat is ready-to-use, single component liquid membrane design to provide excellent film build and maximum flexibility and protection when applied to architectural finishes. It is highly fade and chalk resistance, exhibit weather and chemical resistance with outstanding adhesion and permeability.

Applications:

- Well suited for repair and prolong various roof life whereas the crack and water seepage is predominant. It protect water leaking by bridges and seals the hairline cracks of roof, concrete, brick, screeds, wood, metal, composite fiberboard, foam board and other substrates, but not subject to heavy foot traffic like decks, alcoves, ponds and tanks.
- Offers excellent long term protection against weathering damages and remain fully flexibility with aging by expand or contract during temperature changes thus prevent new hairline cracks from breaking through the film.
- It is easy to apply vertically or horizontally and as well as decorative coating due to the high thixotropic characteristic. It is also can be used as premium waterbase paint due to easy clean-up, low odor, very low VOC.

Preparation:

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. If there is the cracks more than 4 mm in width, proper elastomeric patching compound need to be applied prior to applications of VitalCoat.
3. *For thinning*, it is not required, but if desired use up to 10% of water in volume to improve flow and adhesion of coating especially on porous surface. Do not over-thin.

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Directions:

1. Apply the VitalCoat by brush, roller, spatula or airless spray apparatus (diameter of the nozzle: 0.018"-0.026" min, spraying pressure: 165 bar).
2. 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 and the dry film thickness should not be less than 1mm per coat.
3. Each coat should be allowed at least 2 to 3 hours to be dried. Drying time may vary depending upon wet film thickness, temperature, humidity and air movement.
4. For reinforcement purpose, an glass fibers may be incorporated on to uncured first coat and apply with the second coat before it totally dry.
5. Wet material an all tools and equipment may be cleaned up with water. Clean with water when wet, but with white spirit when dry.
6. 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 curing.
7. Do not wash this coating before that. May be wash with mild liquid detergent and soft cloth or sponge, then rinse.

Caution:

Avoid contact with eyes, skin and mouth.

Use in well ventilated area. In case of contact with eyes, flush with water immediately for 15 minutes. If irritation persists, seek medical attention.

Keep out of reach of children.

Storage:

Store under cover, in dry and cool place with temperature below +25°C. Protect from freezing. Use within 12 months from date of production.

Special Note:

All data and information is based on the non-tinted, white color formulation.

IMPORTANT! Color may be varying 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.

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 various of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.

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