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|---|----------------------------------|---|
|  | <b>VITAL TECHNICAL SDN. BHD.</b> |   |
|   | <b>Technical Data Sheet</b>      |   |
|   | <b>VT-511<br/>Non-Sag Epoxy</b>  |   |

Issuance date: 11/08/17

Revision date: 16/03/19

Revision No.: 19-01

## Product Description

Non-Sag Epoxy is formulated as a putty-like mastic with non-flowing consistency. It is also capable of curing underwater, making it suitable for boat building and repair applications. The non-sag property allows it to perform well on vertical and overhead applications of up to maximum ½ inch gap. It is able to resist to weathering, fungus, seawater, decay, gasoline, alkalis, and even some acids. It exhibits a remarkable combination of properties, high mechanical strength, excellent resistance to most chemical and reliable heat resistance. It contains no solvent that causes shrinkage, chipping, peeling off and cracking.



## Applications

It is suitable for various bonding, sealing, gap filling and repair applications where the non-sag property is required. It helps to increase the strength, durability and reliability in most conditions. It is good on fiberglass, glass, wood, metal, concrete and many plastics.

## Directions





1. Surfaces must be clean, dry and free of dirt, grease, oil or water
2. Scoop out equal amount of resin and hardener onto any disposable container or surface.
3. Mix thoroughly and apply mixture to both surfaces before joining. Low heat will accelerate hardening.
4. Close the can after use and store in cool, dry place.

## Caution

Contains epoxy constituents. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. Toxic to aquatic life with long lasting effects. Wash hands thoroughly after handling. Avoid release to the environment. Wear protective gloves and eye protection. 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. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

## Storage

Store in a dry and cool place. Not damaged by freezing. If frozen, warm to room temperature.

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### Technical Data:

|                                   |                      |                                  |
|-----------------------------------|----------------------|----------------------------------|
| <b>Base</b>                       | <b>Part A :</b>      | Epoxy resin                      |
|                                   | <b>Part B :</b>      | Polyamide and Polyamine hardener |
| <b>Color</b>                      | <b>Part A :</b>      | Yellow Ochre                     |
|                                   | <b>Part B :</b>      | Beige                            |
|                                   | <b>(After mix) :</b> | Yellow Ochre                     |
| <b>Specific gravity</b>           | <b>Part A :</b>      | 1.89                             |
|                                   | <b>Part B :</b>      | 1.80                             |
| <b>Mixing ratio (by volume) :</b> |                      | 1:1                              |
| <b>Hardness :</b>                 |                      | >75                              |
| <b>Application temperature :</b>  |                      | 15 - 35 °C (59 - 95 °F)          |
| <b>Working time :</b>             |                      | 45 minutes                       |
| <b>Set time :</b>                 |                      | 90 minutes                       |
| <b>Time to full strength :</b>    |                      | 72 hours                         |
| <b>Lap shear strength :</b>       |                      |                                  |

| Curing hour | N/mm <sup>2</sup> |
|-------------|-------------------|
| 24 hours    | 10.3              |
| 3 days      | 12.7              |
| 7 days      | 13.6              |

**Shelf life :** 12 months

### Order information

| Product Code | Content | Carton Quantity |
|--------------|---------|-----------------|
| VT-511300    | 300 g   | 50 sets         |
| VT-511700    | 700 g   | 24 sets         |
| VT-5111K4    | 1.40 kg | 12 sets         |
| VT-5112K8    | 2.80 kg | 6 sets          |

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