

Product Description

A two pack, abrasion resistant epoxy primer which is low frictional resistance and designed specifically for ice sailing ship.

Recommended Uses

Used on underwater area of ice sailing ship. It can serve in ultra-low temperature and harsh wear environments. Lower ice adhesion can reduce the fuel consumption.

Product Information

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|------------------------|--|
| Color | TF2001 Red TF2009 Black |
| Part B (Curing Agent) | TFC200 |
| Volume Solids | 95% ± 2% |
| Typical Film Thickness | 500 microns dry (526 microns wet) |
| Theoretical Coverage | 1.9m ² /litre at 500 microns D.F.T. |
| Mix Ratio | Part A(Base) to Part B(Curing Agent)= 2: 1 (by volume) |
| Flash Point | 60°C |

Surface Preparations

All surfaces to be coated must be clean, dry and free from contamination. High pressure fresh water wash or fresh water wash, as appropriate, and remove all oil or grease, soluble contaminants and other foreign matter in accordance with SSPC-SP1 solvent cleaning.

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| Newbuilding/Maintenance & Repair | Abrasive blast clean to Sa2½ (ISO 8501-1:2007). Blasting roughness should not be less than 75 microns. |
| Others | Please consult Hilong representative. |

Application

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| Application Condition | The temperature of the substrate should be at least 3°C above the dew point of the air. Prior to application, the temperature of paint needs to be heated to between 40-50°C. Curing temperature should be above 10°C to ensure product fully cured. |
| Mixing | Combine 2 parts of Base with 1 part of Curing Agent and mix thoroughly with a power agitator. |
| Induction Period | None |
| Gel Time (45°C) | 5 minutes |
| Thinner | Not applicable |
| Tools clean | THR100 |
| Airless Spray | Recommended, the paint must be applied using dual feed airless hot spray equipment. Tip Range 0.53-0.84 mm (21-33 thou) |
| Air Spray | Not applicable |
| Brush | Application by brush is recommended for small areas. Multiple coats may be required to achieve specified film thickness |
| Roller | Not applicable |

Drying information

| Temperature | 10°C | 15°C | 25°C | 35°C |
|-------------|--------|--------|--------|--------|
| Touch Dry | 24 hrs | 16 hrs | 4 hrs | 2 hrs |
| Hard Dry | 3 days | 72 hrs | 40 hrs | 20 hrs |

Overcoating Data

| Temperature | 10°C | | 15°C | | 25°C | | 35°C | |
|---------------|--------|--------|-------|--------|-------|--------|------|--------|
| | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. |
| HilonIce 5200 | 8 hrs | 24 hrs | 6 hrs | 16 hrs | 4 hrs | 8 hrs | 1 hr | 4 hrs |
| HilonTie 5310 | 12 hrs | 5 days | 8 hrs | 4 days | 4 hrs | 3 days | 1 hr | 2 days |

Unit Size

15 litres unit: 10 litres part A (Base) in a 20 litres container, 5 litres part B (Curing Agent) in a 5 litres container

Storage

Must be stored in accordance with national regulations. Store in dry, shaded conditions away from sources of heat and ignition.

Health And Safety

Prior to use, obtain, consult and follow the Material Safety Data Sheet for this product concerning health and safety information, and apply and use the coating according to the national state of health and safety as well as environmental protection standards and regulations.

Important note

The information in this data sheet is not intended to be exhaustive, for your reference only. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. Please contact us and request the latest version prior to using the product.