



Anti Corrosion Technology For Future

Data Sheet
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Valid From: 05 March 2015

NAKI 5 TRL™ Polyester Glassflake

Charateristics	: A two pack cold cure Epoxy Polyester/Acrylic Co-Polymer enhanced with Glassflake
Recommended	: TRL 5 provides durable corrosion protection in aggressive atmospheric condition. It can be applied in single coat, and it has good gloss and cosmetic appearance. It may be used for jetties, bridges, ship hulls, and other immersed marines environment.
Health & Safety	: Read and observe health & safety datasheet prior to application
Colour	: Off White
Mixing Ratio	: 98:2 base to activator by weight Add all the activator to the base and mix thoroughly, ensuring no unmixed materials remain. Remove all the mixed material from the base tin and re-mix in another container. Adding inhibitor after the catalyst will ruin the product. Please refer to product application guide. Mix only as much material as may be used during the limited pot life.
Surface Preparation	: Metals: abrasive blast cleaning to Sa 2½ (ISO 8501-1:2007), SSPC SP10 or NACE #2 will be suitable. A minimum surface profile of 75 Microns is required. Concrete: Priming is required (NAKI 6 PCP), please refer to Naki concrete surface preparation specification.
Application Equipment	: Natural Bristle Brush, Airless spray with 45:1 ration or greater. For airless spray recommended tip size 0.7-1.2mm (28-48 thou).
Application Method	: Apply as a single coat is acceptable. Over thickness will automatically increase tack free time.
Pot Life	: Approximately 1 Hour 25°C. This time will vary significantly with temperature.
Volume Solids	: 98%
Thinners	: This product should not be diluted or thinned.



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Recommended DFT : 400 - 600 microns non immersed, 800 microns minimum in immersion. WFT should always be checked during application.

Theoretical Spreading Rate : Approximately 0.82 Litre/m² at 500 microns DFT.

Cure Time : Tack Free : Approximately 1 Hour at 30°C
Full Cure : Approximately 2 days at 30°C
(Will vary significantly with temperature)

OverCoating Time : Minimum : 10 Hours at 25°C
Maximum : 72 Hours (These times may be substantially shorter at high ambient temperature)

Corrosivity Category (ISO 12944-2) : C5M

Elongation at Break (ASTM D638) : 0.7%

Pull off adhesion (ISO 4624) : 25.8 N/mm² (3,740 psi) on blasted carbon steel

Abrasion Resistance (ASTM D4060) : 1 Kg Load/CS-10 Wheels/12 mg loss

Compressive Strength (ASTM D695) : 85.5 N/mm² (12,400 psi) ambient cure

Shear Strength (ISO 4587) : 20 N/mm² (3,045 psi)

Storage & Handling : The product must be ideally stored in a cool and well ventilated place, protected from heat and direct sunlight. Containers must be kept tightly closed before and after use.

Packaging : 20 Litre Composite kit

Shelf life : A minimum of 1 year in unopened tins stored below 20°C

Cleaning Solvent : Acetone, Xylene, Toluene, MEK

Disclaimer

The information in this data sheet is given to the best of our Knowledge based on laboratory testing and practical experience. However, product is often used under condition beyond our control; we cannot guarantee anything but quality of product itself. We deserve the right to modify from time to time according to manufacturer experience and continuous development program.