



Anti Corrosion Technology For Future

Data Sheet
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Valid From: 23/03/2019 (Rev.4 - 9/2019)

NAKI NRZ LamTM Vinyl Ester Laminating

Charateristics	: A two pack cold cured vinyl ester laminating resin
Recommended	: Use in conjunction with multi directional roving to construct glass reinforced laminate and repair severely corroded & pitted areas or to offer additional protection in the corners of tankage prior to spray application
Health & Safety	: Read and observe health & safety datasheet prior to application
Colour	: Unpigmented
Mixing Ratio	: 100 : 2 by Volume (Base : Hardener) 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	: Metal Surfaces: Grit blast to SA 2.5 near 3 standard.
Application Equipment	: Brush or Roller
Limitations	: Not suitable as protective coating without glass reinforcement. It is suggested where this product is used for lamination protection systems. A top layer of NAKI 7 NRZ at 300 microns applied to reduce permeation
Pot Life	: Approximately 1 Hour 20°C.
Volume Solids	: Volume solids obtain will vary dependent upon polymerisation conditions. Nominally 97% of content are convertible to solid.
Thinners	: Should thinning be necessary use only styrene monomer to an absolute maximum of 5% by volume concentration.



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Specific Gravity	: 1.065 gms/cc
Cure Time	: Tack Free : Approximately 3 Hours 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)

Physical Properties of Glassmat Reinforced Laminates:

Tensile Strength	: 111 MPa
Tensile Modulus	: 10,100 MPa
Tensile Elongation	: 1.3%
Flexural Modulus	: 9,800 MPa
Flexural Strength	: 205 MPa

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.

