



Anti Corrosion Technology For Future

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Valid From: 14 March 2016

## NAKI NZB HT™ Epoxy High Temperature

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Charateristics	: A highly modified wear resistant Epoxy, NZB HT has an ultimate good with a High Temperature resistance when cured.
Recommended	: This high temperature repair is designed for metal repair and rebuilding equipment and provide excellent corrosion protection. NZB HT Has Limiting temperature 200 C, but may be lower in certain environments.
Health & Safety	: Read and observe health & safety datasheet prior to application
Colour	: White. Dyes must not be used.
Mixing Ratio	: 2:1 by Weight (Base : Activator)  Remove lids from both component A-activator & B-base and scoop out all component A putting into component B. Mix thoroughly ensuring that no unmixed material remains. Remove all mixed material from base tin and remix on clean flat surface or shallow receptacle.
Pot Life	: Approximately 30 Minutes at 30 C. This time will vary significantly depend on temperature
Surface Preparation	: To obtain maximum adhesion the subrate should be grit blasted to SA 2.5 with 75 micron profile. If grit blasting is not possible, wire brushed surface and decontamination should be perform, surface should also be roughened to provide suitable key.
Application Equipment	: Brush only
Application Method	: This material may be applied direct to substrate except in the case of Concrete. Where build up of damage component is requires this should be carried out first using NAKI 7 NZB
Thinners	: Do not thin. The use of thinners in NZB HT will significantly affect product performance
Volume Solids	: 99%





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Recommended DFT	: Minimum of 1,000 Microns in two coats. Care should be taken to observe overcoating times.
Theoretical Spreading Rate	: 1.1 Litres/ m <sup>2</sup> @ 1,000 Micron thickness The amount may increase depend on geometry and nature of work undertaken and the skill and care of application.
Cure Time	: Full Cure : Approximately 24 hours at 30 C Post cure for shorter periods will increase the characteristics of this material
OverCoating Time	: Minimum : 4 Hours at 20 C Maximum : 30 Hours (These times may be substantiall shorter at high ambient temperature)
Hardness (ASTM D2583)	: 78 Barcol after full cure
Tensile Strength (ASTM D638)	: 25.8 N/mm <sup>2</sup>
Elongation at Break (ASTM D638)	: 0.8%
Pull off adhesion (ISO 4624)	: 25.9.7 N/mm <sup>2</sup> on blasted carbon steel
Abrasion Resistance (ASTM D4060)	: 1 Kg Load/CS-10 Wheels/830 mm <sup>3</sup> loss
Temperature Limit	: Non-Immersed: 200 C, Immersed: 180 C
Dielectric Strength (ASTM D149)	: 20 - 25 kV/mm
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	: 1 and 5 Litre Composite Kit
Shelf Life	: A minimum of 1 year in unopened tins stored below 30°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