



Anti Corrosion Technology For Future

Data Sheet

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NAKI 7 NKBTM Modified Ceramic Epoxy

Charateristics	: A thin film, spray applied Novolac Epoxy containing glassflake and air-dried ceramics.
Recommended	: Ideal for critical service. Provide excellent protection to all metals fiberglass reinforce plastics, concrete and plastic substrate. Ideally used for impellers, pump casings, fan blades, valves, pump rotor, loading ramps, rudders, hulls, trash racks, bridges, lock & dam gates .
Health & Safety	: Read and observe health & safety datasheet prior to application
Colour	: Dark Grey or White
Mixing Ratio	: 20:1 by Weight, 12:1 by Volume (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	: Natural brush, airless spray with ratio 45:1 or greater, and roller
Application Method	: This material is intended for application at thicknesses between 1,000 to 1,500 micron. The material should only be applied when the surface temperature is between 10 C to 60 C.
Thinners	: Do not thin. The use of thinners in NKB 7 will significantly affect product performance
Volume Solids	: 90%

Recommended DFT	: As a general lining 500 - 1,500 Micron. Depend on service and atmospheric duty, may be built up to to 3,000 microns DFT for harsh wear environment.
Theoretical Spreading Rate	: 1 m ² / Litre @ 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 : 10 Hours at 30°C Maximum : 16 Hours (These times may be substantiall shorter at high ambient temperature)
Hardness (ASTM D2240)	: 45 Barcol after full cure
Tensile Strength (ASTM D638)	: 26.8 N/mm ² (3,876 psi)
Temperature Limit	: Non-Immersed: 150°C, Immersed: 130°C
Flash Point	: Greater than 100°C
Pull off adhesion (ISO 4624)	: > 10 MPa on blasted carbon steel
Abrasion Resistance (ASTM D4060)	: 1 Kg Load/CS-10 Wheels/10 mg loss
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	: 5 & 20 Litre Composite kit
Shelf Life	: A minimum of 2 years in unopened tins stored below 25°C
Cleaning Solvent	: Epoxy Equipment Cleaner, Xylene, Toluene

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.