



Anti Corrosion Technology For Future

Data Sheet
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NAKI 5 PKM™ Fire Suppressant Coating

Charateristics	: A single component water based technology, asbestos free, non-toxic, fire retardant cable coating. Approved and tested to recognized international standards and is used worldwide IEC – 60332 to prevent flame (T = 1,000 C) spread along both horizontal and vertical cable and can be used for interior and exterior
Recommended	: Designed for durable fire resistance electrical cable coating and the supporting trays when exposed to a moderate fire source or from fire exposure of combustible trash. The coating is not intended to maintain cable protection under severe and extended fire exposure.
Health & Safety	: Read and observe health & safety datasheet prior to application
Colour	: Off white or special colours made to order.
Mixing	: NA (One component only) Mix NAKI 5 PKM thoroughly by a power agitator before application. Thinner is normally not required and using potable water only (3% max.) to adjust viscosity. If necessary. Water is also used for tools and spray machine cleaning.
Pot Life	: Approximately 30 Minutes at 30 C. This time will vary significantly depend on temperature
Surface Preparation	: The surface to be painted should be clean from any contaminants such as oil, or grease and dirt should be taken up with dry rags (no solvent). Using a broom or vacuum cleaner to remove heavy layers of dust is sufficient.
Application Equipment	: Brush, roller, & Conventional spray
Specific Gravity	: 1.4 – 1.6 Kg/L
Flash Point	: No flash to boiling
Weight of Solid	: ± 60.0 %



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Recommended DFT : 1,800 - 2,500 Microns WFT.

Theoretical Spreading Rate : 2 Litres/ m² @ 2,000 Micron WFT
The amount may increase depend on geometry and nature of work undertaken and the skill and care of application.

Cure Time : Touch Cure : 1 - 2 Hours at 25 C
Touch Dry : 3 - 4 Hours at 25 C
Full Cure : 48 Hours at 25 C

Application Method : Coating can be applied by conventional spray equipment in a single pass not more than 0.8mm~0.9mm (wet film thickness) to prevent slumping. Surface shall be measured using a wet film thickness gauge. Recommended coating thickness on cables 1.8 - 2.5 mm WFT results in 1 - 1.5 mm DFT. If applying coating by brush or roller, it may be required to apply thinner coats to prevent slumping.

Single large material cables or bundles may coated by hand & thin coat should be allowed to dry before the rest is applied, to achieve a smooth, even finish, using wet brush.

Do not allow the coating material to remain in hoses, gun or spray equipment. Clean all equipment with water immediately after use. All unused coating should be stored in tightly closed container. Surface skinning may show in a partially filled container

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 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