



TAIKALITT S-100 NCB INTUMESCENT PAINT

Product Data Sheet

Product Description

A single component, acrylic intumescent heat insulation paint, providing excellent fireproof performance, good film appearance and easy application.

Intended Uses

Designed for interior and exterior steel structures use in airports, railway stations, oil refinery, stadiums, high rise buildings, or interior steel structures of factories with fire retardant requirement.

Certification

Certification issued by PCCC, CCCF and JSSC.

Physical Constants

Color	: Off White
Specific Gravity	: 1.31 ± 0.05 kg/l (25°C)
Volume Solids	: 63 ± 4 %
Typical Thickness	: 0.5mm (Fire Retardant Time for 0.5hour) : 0.91mm (Fire Retardant Time for 1 hour) : 1.25mm (Fire Retardant Time for 1.5hours) : 2.18mm (Fire Retardant Time for 2.0hours)
Theoretical Coverage	: 1.21 Kg/m ² (600µm DFT)
Touch Dry	: 2 hours (25°C)
Hard Dry	: 12 hours (25°C)
Fully Maintenance	: 28 days (25°C)

Surface Preparation

Blast substrates to Sa 2.5 or above, roughness to Rugotest NO.3 BN9a;
Always be applied over a recommended anti-corrosive primer;
All substrates should be clean, dry, and free from oil, grease, loose materials and other contaminations.

Application Instructions

Mixing	: This material should be mixed thoroughly with a power agitator for 15 minutes before application.
Thinner	: Thinner Nippon NCB



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Method Of Application

Method Of Application	Brush (Recommended)	Air Spray (Available)	Airless Spray (Recommended)
Thinning Ratio	0~10%	15~30%	0~10%

Airless spray : Nozzle pressure: 140~180 kg/cm²
: Nozzle size: 0.43~0.53mm (0.017~0.021")

Air spray : Diluted with Thinner Nippon NCB to 17~23 sec (T-4/25°C).

Coating Intervals

Application Temperature	10°C	25°C	40°C
Minimum Interval	24 hours	12 hours	8 hours
Maximum Interval*	None	None	None

* In case of long time outdoor exposure or contamination, water hosing needed to promote overcoat adhesion.

Clean Up

Clean all equipment immediately after use with Thinner Nippon NCB.

Safety Precautions

- Handle with care, read the MSDS before application.
- Please notice the safety labels on packaging before and during use; Follow all local or national safety regulations.
- Avoid inhalation, direct contact with skin or eyes. In case of swallowing or contacting, go to see doctors immediately. Take precautions against possible risks of fire, explosion or pollution.
- Avoid flame on site, application only under good ventilation; Improve ventilations for narrow or poor-ventilation areas.

Application Precautions

- Air humidity: Application is not recommended once humidity above 85%.
- Ambient temperature: Application is not recommended once the temperature is below 5°C or above 45°C.
- Steel surface temperature: Must be at least 3°C above dew point. Too high temperature may cause film defects, so application conditions must



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be adjusted when over 50°C, such as shifting working time to morning or evening, shedding or transferring into workshop.

- Other conditions: contaminations should be avoided from sandblasting, paint mist and etc. Stop application during rain, snow, mist, strong wind or sandstorm to avoid poor application, film defects and paint loss.

Packing Size

5 Liter and 20 Liter.

Storage

48 months at 25°C, Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition. Shelf life may shorten when above 25°C

Remarks

- Practical coverage may vary by structure shapes, dimensions, surface conditions, weather, application methods and other loss factors.
- The above information is given based on our laboratory tests and practical experience. However, since we cannot anticipate or control the most factors influenced on our products application, we can just guarantee the quality of the product itself.
- This product can only be used in professional application.

DISCLAIMER

- **The information in this data sheet is given to the best of Nippon Paint's knowledge and practical experience. Users may consult with Nippon Paint on the general suitability of the product for their needs and specific application practices though it remains each user's responsibility to determine the suitability of the product for the user's particular use. The condition of the substrate and application are not within Nippon Paint's control. Therefore no implied conditions, warranties or other terms will apply to the Product. Nippon Paint does not and cannot warrant the results which the user may obtain by using the product. In no event will Nippon Paint be liable to the user for any kind of loss (whether direct or indirect) even if Nippon Paint was previously advised of it. In line with Nippon Paint's policy for continuous development, Nippon Paint reserves the right to modify the product and the information in this data sheet without prior notice. It is the user's responsibility to check with Nippon Paint for the latest version of this data sheet. This data sheet has been translated into various languages. In the event of any inconsistency, the English version shall prevail.**