

Nerosil 118

Scope

Nerosil 118 is a two pack solvent based self curing inorganic zinc silicate coating. It exhibits outstanding resistance to weathering, UV exposure and marine environment. As a primer with recommended topcoats, it is resistant to industrial chemical exposure as well as marine exposure above the splash zone. It is recommended for structural steel piping, tank exteriors, bridges, off shore platforms, marine superstructures, decks and other structures above the water line. It also has excellent resistance to petroleum products, alcohols and solvents.

Composition

Prehydrolysed ethyl silicate binder with separately packed zinc dust powder.

Volume solids	60 ± 3 %
DFT / Coat	75 µ
Theoretical Coverage / Coat	8 m ² / ltr.

Product Details

Type	Two Pack
Mixing Ratio	By weight
Component A	60 parts
Component B	40 parts
Colour	Grey
Gloss	Matt
Pot life	4 – 6 hrs at 30°C
Curing mechanism	Solvent release and reaction with atmospheric moisture.
Temperature resistance Dry	600°C
Flash Point (Liquid)	Above 15°C
Drying Time (30°C)	
Surface Dry	15 – 20 Mins.
Hard Dry	16 Hrs
Recoating Time	Min. 24 Hrs
Thinner	Thinner 101
Thinner Consumption	5 – 20%
Conventional Spray	5 – 20%
Airless spray	0 – 15%

Application Details

Applied over:
Blast cleaned steel

Application Method:
Conventional spray / Airless spray

Shelf Life:
Under normal storage conditions in original containers at 30°C

Liquid	6 Months
Powder	2 Years

Pack Size:
26 ltrs.

Surface Preparation:
Before applying the primer, all surfaces must be clean, dry and free from heavy pitting or mill scale. Blast clean to Sa 2.5 grade minimum of Swedish International Standard. Blast profile must be in the range of 30 to 50 microns.

Application Instruction:
Stir the component A and component B respectively. If settling observed in the component A, loosen the settled material and mix it with the help of pneumatic stirrer. Mix component B gradually in the component A in the specified ratio under continuous stirring till homogeneous. Use recommended thinner as specified for brush and spray application.

Environmental Condition:
Surface temperature must be at least 3°C above the dew point to prevent moisture condensation.

Temperature:

Air	5 - 40°C
Surface	5 - 50°C

Special Notes:
Thinner consumption may vary depending upon site conditions. Practical covering capacity depends on application techniques, ambient conditions, wastage, surface condition etc. While top coating, a mist coat may be required to minimize application bubbling. Like all inorganic zinc silicate coatings, Nerosil 118 alone is not suitable for immersion or spillage of acidic or alkaline solutions. Pot life and curing are influenced by temperature and humidity.

Safety Precautions:
Please refer to the Material Safety Data Sheet.

Kansai Nerolac Paints (KNP) warrants the goods to be free from defects in material and workmanship. KNP makes no other warranties concerning the goods. No other warranties, whether expressed, implied or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply to goods and in no event shall KNP be liable for consequential or incidental damages. Any recommendation or suggestion relating to use of the products made by KNP whether in the technical literature of KNP, or in response to specific inquiry, or otherwise, is based on data believed to be reliable by KNP, and KNP shall not be liable for any loss or damage incurred to the Buyer on account thereof. However, the goods and information are intended for use by the Buyer having requisite skill and know-how in the industry, and therefore it is for the Buyer to satisfy himself of the suitability of the goods for his own particular use and it shall be deemed that the Buyer has done so, at his sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results".

Issue Date: October 15, 2006
PN: 5114/00131

Tel: 2493 4001 Fax: 2493 5743
Email us at protectivecoating@nerolac.com
Visit us at www.nerolac.com