



Anti Corrosion Technology For Future

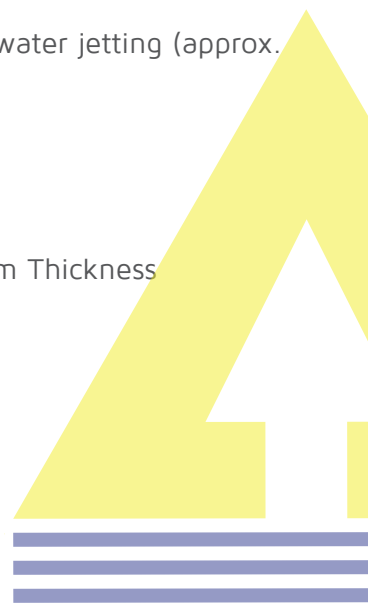
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Valid From: 23/03/2016 (Rev.3 - 7/2018)

NAKI 3 GNS™

Fine Polymer Waterproofing

Charateristics	: 2 components cementitious waterproofing / slurry, consist of fine Polymer as part A that is mixed with part B cementitious powder
Recommended	: Used for internal & external waterproofing on concrete, mortar, masonry, brick, and is equally suitable for new or existing structure. The product can be used for terraces, balconies, kitchen, toilets floor, water treatment, drainage culverts basements. Easy to stir and apply, it can be be spray and allows water vapour to escape from the structure. Waterproof-suitable for water retaining structures. High resistance to the effect of long-term weathering.
Health & Safety	: Read and observe health & safety datasheet prior to application
Colour	: Grey
Mixing Ratio	: For Slurry : 1:3 by weight (Part A: Part B) For Mortar: 1:3.5 by weight (Part A: Part B)
Pot Life	: Approx. 60 mins at 20°C. This time will vary significantly with temperature and at higher temperature.
Surface Preparation	: Concrete, mortar and masonry surface must clean by removing loose and damaged concrete and laitance using proper equipment and the surface must to rough enough. Clear out concrete, mortar, and masonry using brush, scrape or sandblast corroded and the surface must be free from mineral pollution such as grease, oil, laitance, etc. Brush, scrape or sandblast corroded rebar in other particles can impact to loosely adhesion the boundaries of the surface to be repaired must be clearly defined by chiseling or diamond blade grinding to a depth of 5 mm minimum. The prepared substrate should be saturated (saturated Surface dry) with clean water before applying NAKI 3 GNS.
Application Equipment	: Brush, scrape or wet grit blasting, high pressure water jetting (approx. 150 Bars) or such other effective methods
Recommended DFT	: For vertical surface : 1 to 2 mm For horizontal surface : 1 to 3 mm
Theoretical Spreading Rate	: 1.8 - 2.5 Kg per square meter with 1 mm Dry Film Thickness





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Application Method

: For best results, surfaces should be damp. In order to obtain the protective properties of NAKI 3 GNS, it is important that the correct rates of application are Apply the first coat to the area being treated with a stiff brush, trowel, hard plastic and pressing firmly with hand to ensure good bonding and leave harden (2-6 hours).

For large surface, the mortar, it can be applied by machine spray (wet process). The total film thickness 1 to 2 mm vertical and 1 to 3 on horizontal surface, which should be build up in at least two coats, subsequent coat applied The second coat of NAKI 3 GNS shall be applied as soon as the first coat has reached touch dry state. After a finish second coat has been applied, finish by rubbing down with a soft dry sponge. In case a third coat, scratch the surface of the second coat with edge of trowel to provide the porosity. To avoid pin holes, apply the second brush coat at right angles to the direction of first coat.

When applying NAKI 3 GNS on hot substrates, saturate the surface with water. It is extremely important that the area being treated is shaded from direct sun and wind to prevent rapid drying of the coating. Protect the fresh mortar can be achieved by covering with polyethylene film or damp cloth.

Cure Time

: Tack Free: Approximately 3 Hours at 30° C
Full Cure: Approximately 2 days at 30° C (Will vary significantly with temperature)

Over Coating Time

: Minimum: 3 Hours at 25°C
Maximum: 48 Hours at 25°C (These times may be substantially shorter at high temperature)

Over coat the shortest time allowed before the next coat can be applied the maximum recoating interval is exceeded, roughening/sanding of the surface is necessary to ensure inter-coat adhesion. Before recoating after exposure in contaminated environment, clean surface thoroughly with (high pressure) fresh water hosing and allow to dry

Compressive Strength

: 30 – 40 N/mm² at 20°C after 28 days (ASTM C50-94)

Flexural Strength

: 10 – 12 N/mm² at 20°C after 28 days (ASTM C50-94)



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Additional Information : 1. When surface temperature over 30 °C, saturate surface with water
2. Do not use water to dilute the cement slurry
3. Avoid application in direct sun / strong wind
4. Never apply one with thick layer directly and not exceed maximum layer thickness
5. Areas subjected to moderate and heavy loads/hydrostatic pressure, minimum 2mm thickness with 2 coats applied and is recommended with screed above
6. In area severe water penetration should be 3 coats required,
7. Allow the NAKI 3 GNS coating to dry before covering with screed
8. Allow 2 days of air curing before to water submersion

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.

Shelf Life : A Minimum of 1 year in unopened tins stored below 25°C

Packaging : 5 Kg Part A (Composite Kit) & 15 Kg Part B (Paper Bag)

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

