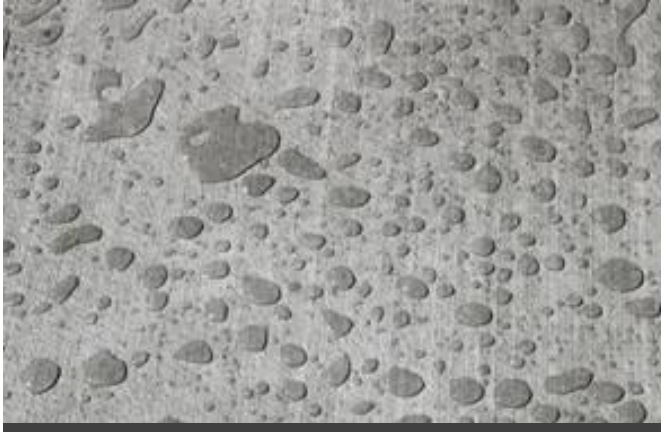


## NANO SEALING TECHNOLOGY

[www.gripset.com](http://www.gripset.com)

TECHNICAL DATA SHEET

[techenquiries@gripset.com](mailto:techenquiries@gripset.com)



### Description

Gripset N17 is an innovative solvent free sealer based on world leading nano technology. Designed for use over masonry, concrete, timber and general porous building surfaces, the properties of Gripset N17 provide multifunctional properties including water repellancy, ease of cleaning and resistance to mechanical abrasion. Gripset N17 does not change the appearance of the surface it is applied to enabling the actual surface appearance to be maintained without the effects of water staining. Ideally suited for surfaces exposed to internal and external environments.

### NANO - What is it and how does it work?

1 centimetre = 1/100 of a metre

1 millimetre = 1/1000 of a metre

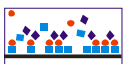
1 nanometre = 1/1,000,000,000 of a metre

Nanotechnology describes the structure of matter on an extremely small scale. You can find up to 10 atoms in one nanometre and based on this principle of nanotechnology the Gripset Nano sealers have optimum penetrating properties on the surfaces they are applied to, with the ability to penetrate up to 4-6mm on porous surfaces. As a result of the Nano particle effect, once the sealer is applied to surfaces water beads preventing absorption into the treated area.

Gripset N17 consists of non-visible micro particles and during application these particles organise themselves to form a unique sealing structure that ultimately forms a glass like layer that guarantees long term protection against environmental influences.



*Gripset Nano Sealer is applied*



*Nano particles commence organising themselves*



*Nano particles organised into a thin even sealing layer*

### Features & Benefits

- \* Solvent free
- \* Nano penetration forming hydrophobic and oleophobic properties
- \* Does not change surface appearance
- \* Outstanding water and weather resistance
- \* Penetrating properties enhancing abrasion resistance
- \* Ease of cleaning surfaces
- \* Long lasting sealing effects to treated surfaces
- \* Sealer for timber with Gripset WB1/WB2 natural wood preservative
- \* Long lasting sealing effects to treated surfaces, life expectancy 10

years before re-coat, depending on level of impact abrasion

### Application

- \* Surfaces must be dry and clean, free of all loose particles and foreign matter. Moss, algae, lichen etc must be removed and treated prior to application.
- \* Gripset N17 is best applied using spray apparatus, either spray pack or airless spray methods. A liberal spray coat is to be applied. It can also be brush or roller applied.
- \* Coverage is 1Lt per 10-12m<sup>2</sup> and on extremely porous surfaces this may be reduced.
- \* Coverage can be achieved in 1 coat, ensuring the total surface has been wetted with the sealer. After drying all areas will bead water if correctly applied.
- \* Drying times – the Nano sealing effect will take approximately 4 hours at drying conditions of 20°C on porous surfaces. In cooler conditions allow 6-8 hours drying for the Nano effect to take place.
- \* For areas to be regularly trafficked over it is recommended to allow 24-48 hours drying at ambient conditions of 20°C (50% RH) prior to using the area in service.

### Storage

- \* Best stored at room temperature in a dry area between 5°C and 25°C.
- \* Avoid cold freezing conditions and off concrete floors.
- \* Shelf life is 12 months when stored in a dry place.

### Packaging

- \* 1Lt and 5Lt plastic jerry bottles.

### Precautions

- \* Prior to commencing the full application, it is recommended to trial a small typical area to ensure compatibility and application to check absorbency properties.
- \* Do not apply when rain is imminent within 8 hours.
- \* Gloves, protective glasses and clothes should be worn when applying.
- \* When liquid/fluids other than water are spilled onto the treated surface it is recommended to dry absorb these fluids directly after spillage.
- \* For further information about this product contact technical department of Gripset Industries.

### Clean up

- \* With soapy water while in a dry or wet state.
- \* Once dried product needs to be removed mechanically.

### Notes

It is recommended before commencing the application; that adhesion of products to be used (e.g. primers, membranes, coatings adhesives etc) is tested over a typical area of the prepared surface to ensure satisfactory adhesion. It is the responsibility of the applicator to carry this out and accept the substrate suitability before any application starts. Gripset Industries offers a service for pre testing adhesion to surfaces for large commercial areas or unusual substrates. For further details contact Gripset Industries.

Details contained in product data sheets are general. For any situation or items not covered in this data sheet, it is the responsibility of the applicator to check with Gripset Technical Services before commencing the application. A written confirmation will then be issued by Gripset Technical Services. Contact Gripset on: Telephone: +61 (8) 8124-7300 or 1800 650 435 or email: [techenquiries@gripset.com](mailto:techenquiries@gripset.com)

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### Product Disclaimer

This Product Data Sheet (PDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Gripset Industries does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

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