

## 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, Gripset N17 provides multifunctional properties including water repellence, 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**

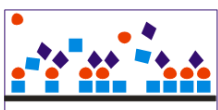
**1 nanometre = 1/1,000,000,000 of a metre**

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

## Surface Preparation

All surfaces to which the Gripset N17 are to be applied must be porous or absorbent to allow proper penetration into the substrate.

All substrates must be structurally sound, smooth, stable, dry, and clean.

Highly dense, smooth/shiny and steel trowel finished concrete surfaces to be etched to facilitate penetration of sealer into the substrate.

All surfaces must be cleaned to remove all loose material, existing sealers, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats or grease remains.

Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods.

## Application

- All surfaces should be tested to confirm surface porosity or the presence of existing sealers prior the application of Gripset N17. To determine, apply a small amount of water onto surface. If the water is absorbed and the surface becomes darker, the surface is considered porous and untreated allowing the application of the Gripset N17 to proceed. If the water beads or stands on the surface and fails to absorb, the surface must be mechanically grinded to remove existing sealers/treatments or etched to improve porosity and allow proper penetration of the sealer.
- 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.
- Apply sufficient material to the surface until product no longer absorbs and beads on the surface
- 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 200C 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 200C (50% RH) prior to using the area in service.

## Storage

- Best stored at room temperature in a dry area between 50C and 250C.
- 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.
- Not to be applied over glass, glazed or impervious surfaces
- Do not apply when surface temperature is below 5oC or above 30oC
- Do not use alkaline pH cleaners at 10-11 when cleaning surfaces that have been treated with this product.
- Will not seal against solvents and fuels
- Gloves, protective glasses and clothes should be worn when applying.
- When liquid/fluids other than water are spilt 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.

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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.