



High Performance Paint and Coating Systems

TECHNICAL DATA SHEET

NANOPROTECT

DESCRIPTION: NANOPROTECT is a state of the art Ultra-Premium clear protective topcoat for all roof types. It uses cutting edge Nano-technology designed to enhance the properties of the coating at a molecular level resulting in a harder, denser film. This greatly increases dirt pick-up resistance, which essentially makes the coating self-cleaning. It improves gloss retention; increases UV resistance, which protects from loss of colour (or fading) and increases scratch and mar resistance.

RECOMMENDED USE: As a final protective clear coat over the THERMOBOND or ROOFBOND PREMIUM coating systems to increase the life of the gloss and protect against fade, as well as increase the system warranty (see NANOPROTECT brochure for full details).

APPLICATION PROCESS: Surface must be clean, sound and dry before proceeding. Shieldcoat recommended surface preparation is crucial and is the responsibility of the Builder / Contractor/Applicator. Weather conditions must be considered and deemed suitable before proceeding. High humidity will affect drying and recoat times. Apply one coat of **SHIELDCOAT NANOPROTECT** by brush/roller but preferably airless spray as a final protective coat over **THERMOBOND** or **ROOFBOND MEMBRANE** coating systems. **Caution: DO NOT OVER APPLY THIS PRODUCT**, heavy application may cause a milky appearance.

APPLICATION DETAILS / GUIDE: Apply with an airless spray, brush, or roller. Thinning the product is not recommended. If you choose to use an airless spray, use a tip size of 517. After application, clean your tools with water. The indicated film thickness when wet should be around 100 microns (WFT), and once dry, it should be approximately 35 microns (DFT). You will need at least one coat, but more coats can be applied if desired. It's important not to over-apply the product as it may result in a milky appearance.



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TYPICAL PROPERTIES:

Colours: Milky liquid / dries clear

Finish: Gloss / Low Sheen

Sizes: 15ltr

Volume solids: 35%

Theoretical spreading rate: 10 m² / Litre

Application surface temperature: 10°C to 40°C

Touch Dry: 30 minutes*

Recoat: 2 hours*

Full Cure: 10-14 days*

Drinking Water Safe: After 10 days* curing and initial rinse (rain or hose pressure).

Shelf life: 24 months

*All figures are quoted at 25°C and 50% Relative Humidity.

HEALTH AND SAFETY:

Contact The Poisons Information Center on Phone: 0800 764 766 or a doctor.

Ingestion: Do not induce vomiting. Give water to drink. Seek medical assistance.

Eye Contact: Flush eyes using eye baths until irritation subsides. Seek medical assistance.

Inhalation: Remove to fresh air. Seek medical assistance

Skin Contact: Wash thoroughly with soap and water. Launder clothing before reuse. Seek medical assistance if irritations persist.

Medical attention: Treat symptomatically.

First Aid Facilities: Eye Baths, safety showers.



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RECOMMENDATIONS AND PRECAUTIONS:

Ensure that appropriate workplace health and safety methods and PPE are used when working with this product.

Ventilation: Ensure adequate ventilation when using this product.

Drinking water: When drinking water collection systems are in place, Shieldcoat recommends disconnecting the system prior to commencing work, then allowing 10 days of curing and a thorough fresh water rinse (rain or garden hose pressure) before reconnecting the system. Ensure that this product is applied in full accordance with Shieldcoat recommendations.

Care and Maintenance: Protect the coating from abrasive contact for 10 days. Wash down periodically with a mild detergent solution to refresh and preserve the coating.

MSDS: Available on request or download from the Shieldcoat website. www.shieldcoat.co.nz

DISCLAIMER: Shieldcoat advises that the applicator of this product is responsible to determine and verify its suitability for the intended use prior to application. The data and recommendations contained within this document were true and accurate at the time of writing.