

TECHNICAL DATA SHEET

PROMINENT NEUKLAD COOL ROOF

Date: January 2025



THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION:

Prominent Neuklad Cool Roof is a water based acrylic with heat reflective of at least 30%. The specially selected combinations of raw materials ensure that Prominent Neuklad Cool Roof has unsurpassed flexibility, elongation, and elasticity, together with excellent UV and water resistance and heat reflective properties with low dirt retention.

INTENDED USES:

1. To reflect heat and protect exterior roof surfaces.
2. For use on Galvanized, Chromadek and Roof tiles with the correct preparation and primer.
3. Can be applied to primed cement plaster, concrete, brickwork, and fibre-cement and suitably primed metal and wood substrates.
4. As a cool roof paint system.

FEATURES:

Water based acrylic coating	Easy cleaning, low odour and quick drying,
Unmatched flexibility and elongation	Non-hazardous, environmentally and user friendly.
UV Resistant and Weatherproof	Protect substrate against extreme weather conditions.
Sheen finish with low dirt retention	Superior wash ability.
Anti-microbial properties	Heat reflectivity of at least 30%

PRODUCT INFORMATION:

Appearance:	Sheen.
Colours:	White and Dove Grey
Solids:	60.9% by mass and $\pm$ 47.9% by volume.
Density:	$\pm$ 1,26kg/l
Recommended Wet Film Thickness:	125 μ m
Recommended Dry Film Thickness:	2 coats x 60 μ m per coat = 120 μ m
Spreading rate:	5m ² - 8m ² per litre, dependent on surface texture and porosity.
Viscosity at 23°C:	120-125 KU
Flash point:	Non-flammable.
Total Volatile Organic Compound:	16 g/L maximum for White.
Respecting the environment:	Dispose of excess product and containers in a responsible manner without harming the environment.

This product is manufactured under strict SABS ISO 9001:2015 quality standards

STORAGE:

Keep containers properly sealed. Store away from direct heat, sun and severe cold in a place with adequate ventilation.

PACKAGING

White & Dove Grey in 20Lt

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APPLICATION DETAILS:

Mixing:	Stir well before use with a flat paddle to an even consistency. Stir occasionally during use.		
Method:	Roof brush or Airless Spray.		
Thinning:	Not recommended.		
Cleaning:	Remove as much of the product as possible from the application equipment before cleaning with <u>water</u> . Dispose of excess product or empty containers in a responsible manner without harming the environment, best contact a waste disposal company.		
Application Conditions:	<u>Surface Temperature</u>	<u>Ambient Temperature</u>	<u>Relative Humidity</u>
	Min: 12°C	Min: 16°C	Min: 10%
	or 3°C above dew point.		
	Max: 50°C	Max: 35°C	Max: 80%
Drying time:	<u>Touch dry:</u>	<u>Overcoating:</u>	
	30 minutes at 23°C	4h at 23°C	
	Note: higher temperatures will accelerate the drying times (approximately halved for every 10°C increase) whilst lower temperatures will retard the drying times (approximately doubled for every 10°C decrease).		
Requirements:	2 coats minimum.		

SURFACE PREPARATION:

Surfaces must be sound, clean, and dry (moisture content below 15%) before painting.

1. New Galvanised Sheeting
Remove fabricators pre-treated oil, oxidation or any other contamination with Prominent General Purpose Cleaner at a diluted ratio of 1:10 with water and then rinse with clean water. Make use of Prominent Multi Surface Etch Cleaner and abrasive pads. Ensure that a water break-free surface is obtained. Rinse well and allow drying before applying 1 coat Prominent Rust Primer.
2. New Chromadek Sheeting
Wash down with Prominent General Purpose Cleaner at a diluted ratio of 1:10 with water and abrasive pads. Ensure that oxidation from powder coating is removed and rinse well with clean water and allow drying. Apply 1 to 2 coats Prominent Ultra Prime depending on the surface conditions.
3. Weathered Galvanised Sheeting
Loose rust and oxidation must be mechanically removed. Clean with Prominent Multi Surface Etch Cleaner and abrasive pads to achieve a water break-free surface. Rinse well and allow drying before coating with 2 coats Prominent Rust Primer.
4. Cement Roof tiles
Must be cleared of any algae and fungus using Prominent Fungal Wash before painting. High-pressure wash the surface or alternatively scrub down with nylon brush and water to remove powdery or chalky surfaces. Allow to dry. Apply 1 coat Prominent Surface Restorer.
5. Fibre Cement
Prepare and prime with Prominent Damp Cure.

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LIMITATIONS:

1. The low VOC compliance is applicable on White batches manufactured from 1 June 2023 onwards.
2. Prominent Neuklad Cool Roof can only be applied to specified substrates and recommended conditions.
3. Cannot be applied in cold and moist conditions.
4. Spot touching up over large areas will be noticeable.
5. Due to the elastomeric nature of the product does self-cleaning not occur.
6. To ensure a consistent colour appearance, ensure that all batch numbers on all containers are the same. Where the batch numbers on containers differ, intermix the content of the containers before use.
7. Tinting colours are not recommended as the colourants will result in contracting light and heat.
8. Prominent Neuklad Cool Roof is not designed for collecting rainwater off painted roofs for drinking purposes. It is therefore essential for customers who collect rainwater from painted roofs for drinking purposes to follow stringent guidelines. For more information on the guidelines contact Prominent Technical Department on 0861776 646 or 011 389 4746.

SAFETY PRECAUTIONS:

1. Keep out of reach of children.
2. Wear a suitable mask during sanding.
3. Ensure to maintain good ventilation during application and drying process.
4. Avoid contact with skin. If contact with skin occur, wash immediately with warm water and soap or recognised skin cleaner. Avoid contact with eyes. In case of contact with eyes rinse immediately with running water and seek medical advice
5. If product is ingested, drink plenty of water or milk. Do not induce vomiting at any time. Seek medical advice.
6. Refer to the Safety Data Sheet (SDS) for detailed information about the product and transportation and classification criteria. SDS is available on www.prominentpaints.co.za or from the Prominent Paints Customer Service Department.
7. To avoid any risk of spillage, always transport in a secure upright position.

UP TO 12 YEAR PAINT FILM WARRANTY:

Only applies to correctly prepared surfaces primed with the correct primer based on the surface conditions. Warranty period will depend on the condition of the substrate. Please visit www.prominentpaints.co.za for the terms and conditions for the paint film warranty.

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DISCLAIMER:

The information contained herein is given in good faith and is meant merely as a guide for the specifier or user. It is gained from results obtained from our experience and tests carried out under controlled conditions. No warranty/guarantee is implied since the conditions of use, application method, substrate and cleanliness of the substrate are beyond Prominent Paints control. For a surface specific specification contact the Prominent Paints Customer Service Department for assistance. This issue supersedes all previous publications.

Important Note: Technology may change with time, necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used for reference. Prominent Paints Technical Data Sheets are available on www.prominentpaints.co.za or from the Prominent Paints Customer Service Department.

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