

TECHNICAL DATA SHEET

PROMINENT NEUKLAD - NEUKLAD

Date: April 2024



THIS SUPERCEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

Prominent Neuklad - Neuklad is one of the most durable and versatile exterior waterproofing coatings available. It is based on a proprietary pure acrylic technology and re-enforced fibers. These specially selected combination of raw materials ensure that Prominent Neuklad - Neuklad has unsurpassed flexibility, elongation and elasticity, together with excellent UV and water resistance and anti-microbial properties.

INTENDED USES:

1. To waterproof and protect exterior wall surfaces.
2. For use on vertical surfaces, parapets, gutters and flashings.
3. To bridge fine hairline cracks on exterior wall surfaces.
4. Can be applied to primed cement plaster, concrete, brickwork, fibre-cement and suitably primed metal and wood substrates.
5. As a waterproofing system in conjunction with non-woven polyester membrane.

FEATURES:

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| Water-based | Easy cleaning, low odour and quick drying, non-hazardous environmentally and user friendly. |
| Unmatched flexibility and elongation | Bridges hairline cracks. |
| UV Resistant and Weatherproof | Protect substrate against all weather conditions. |
| Waterproof | Resists water ingress/penetration. |
| Pure Acrylic Sheen | Superior wash ability. |
| Prominent Neuklad Formulation | Trusted since 1968. |
| Anti-microbial properties | |

PRODUCT INFORMATION:

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| Appearance: | Sheen. |
| Colours: | White and approved colours suitable to be tinted for the Prominent Neuklad tinting system. |
| Solids: | 55.9% by mass and $\pm 44\%$ by volume. |
| Density: | $\pm 1,24\text{kg/l}$ |
| Recommended Wet Film Thickness: | 170 μm |
| Recommended Dry Film Thickness: | $\pm 75\mu\text{m}$ per coat. |
| Spreading rate: Without Membrane | 5m ² - 7m ² per litre, dependent on surface texture and porosity. |
| Spreading rate: With Membrane | 1.5 Lt per m ² - 1.8 Lt per m ² , dependent on substrate type and texture |
| Viscosity at 23°C: | 125-135 KU. |
| Flash point: | Non-flammable. |
| Total Volatile Organic Compound: | 16 g/L maximum for White & Pastel tinting base. |
| 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:

Pastel, Medium, Clear Tint Bases and White in a 1Lt, 5Lt, 20Lt

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APPLICATION DETAILS:

| Mixing: | Stir well before use with a flat paddle to an even consistency. Stir occasionally during use. | | | | | | | | | | | | |
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| Method: | Roller (Medium to long woven pile) and brush. | | | | | | | | | | | | |
| 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: | <table><thead><tr><th><u>Surface Temperature</u></th><th><u>Ambient Temperature</u></th><th><u>Relative Humidity</u></th></tr></thead><tbody><tr><td>Min: 5°C</td><td>Min: 5°C</td><td>Min: 10%</td></tr><tr><td colspan="3">or 3°C above dew point, if possible away from direct sunlight</td></tr><tr><td>Max: 50°C</td><td>Max: 35°C</td><td>Max: 80%</td></tr></tbody></table> | <u>Surface Temperature</u> | <u>Ambient Temperature</u> | <u>Relative Humidity</u> | Min: 5°C | Min: 5°C | Min: 10% | or 3°C above dew point, if possible away from direct sunlight | | | Max: 50°C | Max: 35°C | Max: 80% |
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| Max: 50°C | Max: 35°C | Max: 80% | | | | | | | | | | | |
| Drying time: | <table><thead><tr><th><u>Touch dry:</u></th><th><u>Overcoating:</u></th></tr></thead><tbody><tr><td>30 minutes at 23°C</td><td>4h at 23°C</td></tr></tbody></table> <p>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).</p> | <u>Touch dry:</u> | <u>Overcoating:</u> | 30 minutes at 23°C | 4h at 23°C | | | | | | | | |
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| 30 minutes at 23°C | 4h at 23°C | | | | | | | | | | | | |
| Requirements: | 2 coats minimum. Some bright and chromatic colours may require additional coats. | | | | | | | | | | | | |
| Using for Waterproofing with membrane: | 5 coats i.e. | | | | | | | | | | | | |
| 1 st coat: | (primer/bonding coat): Prominent Neuklad - Neuklad thinned 10% with water, at ± 2-4m ² per litre, allow drying. | | | | | | | | | | | | |
| 2 nd coat: | (Bedding coat): Prominent Neuklad - Neuklad un-thinned at a spreading rate of ± 2m ² per litre, while wet bed the polyester membrane into the coating until completely saturated. | | | | | | | | | | | | |
| 3 rd coat: | (Saturation): Prominent Neuklad - Neuklad un-thinned at a spreading rate of ± 2m ² per litre. | | | | | | | | | | | | |
| 4 th and 5 th coat: | Apply 2 full coats of Prominent Neuklad - Neuklad to complete the system at a ± 4 m ² per litre per coat. | | | | | | | | | | | | |

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SURFACE PREPARATION

Surfaces must be sound, clean and dry (moisture content below 15%) before painting. Newly applied plaster need to be left for 21 to 28 days or 1 week for every 5mm thickness of plaster. Undesirable weather conditions e.g. cold or wet weather conditions will results in extended curing period.

Plaster sand to comply with SABS 1090 requirements. Plaster mix must have a minimum thickness of 10mm, free from soft and friable material and comply with SABS 0164-1 for strength (MPA).

1. New work:

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| 1. 1 Exterior Cement Plaster | Prime with 1 coat Prominent Neuklad Alkali Resistant Sealer. |
| 1. 2 Cement plaster with rising damp | Providing the moisture is below 40% apply 1 coat Prominent Dampcure thinned 20% with Prominent Mineral Turpentine and one coat undiluted with 24 hours drying time between coats. Allow moisture to reduce to 15% or below and only then apply 1 coat Prominent Neuklad Alkali Resistant Sealer. |
| 1. 3 Gypsum plaster/board: | Prime with 1 coat Prominent Neuklad Alkali Resistant Sealer. |
| 1. 4 Fibre Cement | Prime with 1 coat Prominent Neuklad Alkali Resistant Sealer |
| 1. 5 Steel (Palisade Fencing) | Prime with 1 or more coats of Prominent Rust Primer according to the primer surface preparation section. |
| 1. 6 Wood | Apply one full coat of Prominent Wood Primer as per the product surface preparation. |

2. Redecorating:

It is advisable to test the compatibility of coatings when redecorating is involved, i.e. paint a small section and then check the adhesion after 48 hours by applying a strip of masking tape and attempting to rip the paint off.

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| 2.1 Chalky cement surfaces | Wire brush/high-pressure water jet the surface and apply 1 coat Prominent Neuklad Alkali Resistant Sealer. |
| 2.2 Sound matt emulsion painted surfaces | Wash down with Prominent General Purpose Cleaner and water mixture (1:10), allow drying. If sound apply direct. |
| 2.3 Sound gloss or sheen painted surfaces | Sand down to a matt finish, wash down with Prominent General Purpose Cleaner and water mixture (1:10), allow drying. If sound apply direct. |
| 2.4 Painted surface in poor condition | (i.e. extensive peeling) Remove to sound surface and treat as new work. |

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LIMITATIONS:

1. The low VOC compliance is applicable on White and Pastel Tinting Base for batches manufactured from 1 September 2010 onwards.
2. Anti-microbial properties only in White & Pastel tint Bases.
3. Prominent Neuklad – Neuklad can only be applied to specified substrates and recommended conditions.
4. Cannot be applied in cold and moist conditions.
5. Spot touching up over large areas will be noticeable.
6. Due to the elastomeric nature of the product self-cleaning does not occur.
7. Special spraying equipment is necessary for spray applications due to fibre content in Prominent Neuklad - Neuklad.
8. 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.
9. When tinting dark colours from a clear tint base, note that the recommended DFT could be lower due to the volume solid content. For this reason additional coats may be required to achieve good opacity and an aesthetically pleasing finish.
10. Prominent Neuklad - Neuklad is not designed for the purpose of collecting rain water off painted roofs for drinking purposes. It is therefore essential for customers who collect rain water 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 Prominent Paints Customer Service Department.
7. To avoid any risk of spillage, always transport in a secure upright position.

15 YEAR PAINT FILM WARRANTY:

Only applies to correctly prepared surfaces primed with Prominent Neuklad Alkali Resistant Sealer using Prominent Neuklad - Neuklad white and approved colour range. Colour formulations are as supplied by approved outlets and the product is for application on to exterior façade surfaces. Please visit www.prominentpaints.co.za for the terms and conditions for the paint film warranty.

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TINT BASE:

Characteristics:

1. The tint base containers are only filled to levels which are specific for each tint base to allow the calculated volume of colourant to be added in order to achieve the volume indicated on the container after tinting.
2. Tint bases and colourants are unfinished products which should not be used on their own.
3. Only once the prescribed colourant is added to the specific tint base will the finished product comply with the technical features and related information as set out in this TDS.
4. The calculated max VOC compliance < 16g/L is only applicable to product tinted from Pastel Base excluding Clear Base.

Product Information:

1. Colourant to be used: Prominent Paints colourants are specifically formulated for use with Prominent Paints tinting system, which only uses Prominent supported formulations on Largo software.
2. Tint Bases: Pastel, Medium and Clear Tint Bases.

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 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 Prominent Paints Customer Service Department.

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