

TECHNICAL DATA SHEET

PROMINENT NEUKLAD ALKALI RESISTANT SEALER

Date: January 2025



THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

A quality synthetic primer/sealer coat, based on carefully selected solvent-based acrylic copolymers, specially designed for porous, chalky and friable substrates. It functions as a barrier against alkali attack on subsequent coats as well as a sealer to improve adhesion for subsequent coatings.

INTENDED USES:

1. Superior primer/sealer for new cement plaster.
2. Primer/sealer for correctly prepared Rhinolite, Glasstone, Plaster, Fibre Cement, Gypsum Board/Plaster, Hardboard and Cement.
3. Binds oxidation of the previously painted wall surface and providing a sound surface for adhesion of top coats.

FEATURES:

Alkali resistant barrier	Protects subsequent coats against alkali attack.
Excellent penetration	Dissolved binder penetrates porous surfaces and seals them off.
Superior adhesion	To porous and correctly prepared chalky surfaces.

PRODUCT INFORMATION:

Appearance:	Matt finish.
Colours:	White.
Solids:	54.96% by mass and 38.7% by volume.
Density:	1.14kg/litre.
Recommended Wet Film Thickness:	78µm
Recommended Dry Film Thickness:	30µm
Spreading rate:	3 - 8m ² /litre depending on surface porosity and texture.
Viscosity at 23°C:	± 82-87KU.
Flash point:	37°C
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.
To avoid any risk of spillage, always transport in a secure upright position.

PACKAGING:

5Lt, 20Lt

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APPLICATION DETAILS:

Mixing:	Stir the sealer thoroughly before use with a flat paddle rather than a round stick to an even consistency. Stir occasionally during use.
Method:	Brush or roller (short to medium woven pile) depending on the surface texture.
Thinning:	Prominent Mineral Turpentine as and when recommended only.
Cleaning:	Remove as much of the product as possible from the application equipment before cleaning with Prominent Mineral Turpentine. Dispose of excess product or empty containers in a responsible manner without harming the environment, best contact a waste disposal company
Conditions:	Temperature between 5°C and 40°C. Relative humidity of less than 85%, preferably between 10:00 and 16:00. Ideally, apply when the temperature of the substrate is at least 3°C above dew point. If possible, away from direct sunlight
Drying time:	Touch dry: 4 hours, Hard dry: 8 hours 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).
Recoating time:	16 hours at 23°C.
Requirements:	One coat.

SURFACE PREPARATION

Surfaces must be sound, clean and dry (moisture content below 15%) before painting. Newly applied plaster needs 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 result 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).

New work:

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| 1. Cement Plaster | Clean and apply directly. |
| 2. Gypsum Board / Plaster | Remove dust and apply directly. |
| 3. Rhinolite /Glasstone | Apply directly. |
| 4. Ceiling board surface | Apply directly. |
| 5. Chalky surfaces | Remove chalkiness, and then apply one coat Prominent Neuklad Alkali Resistant Sealer diluted 20% with Prominent Mineral Turpentine. |
| 6. Concrete | Apply directly. |
| 7. Fibre Cement | Remove dust and apply directly. |
| 8. Cement Plaster with rising damp | Providing the damp is below 40%. Apply one thinned coat of Prominent Damp Cure (up to 20% with Prominent Mineral Turpentine) and a 2 nd coat undiluted. Before applying Prominent Neuklad - Neuklad, apply 1 coat Prominent Neukald Alkali Resistant Sealer. |

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SURFACE PREPARATION

Redecorating:

It is necessary to perform a crosshatch adhesion test to ensure proper adhesion of the current paint film to the substrate before the new redecoration system commences.

- 1. Chalky PVA** Remove chalkiness with a high pressure washer at 200bar/ 2900psi with a rotating nozzle or Prominent General Purpose Cleaner diluted 1:10 with water and a nylon scrubbing brush. Rinse with clean water, allow drying and then apply a coat of Prominent Neuklad Alkali Resistant Sealer.
- 2. Lime wash** Remove chalkiness with a high pressure washer at 200bar/ 2900psi with a rotating nozzle or Prominent General Purpose Cleaner diluted 1:10 with water and a nylon scrubbing brush. Rinse with clean water, allow drying and then apply a coat of Prominent Neuklad Alkali Resistant Sealer diluted 20% with Prominent Mineral Turpentine. Apply second undiluted coat of Prominent Neuklad Alkali Resistant Sealer.
- 3. Previously painted** Ensure all traces of flaking and peeling paint has been removed, high pressure wash at 200bar/2900psi with a rotating nozzle or Prominent General Purpose Cleaner diluted 1:10 with water and a nylon scrubbing brush. Rinse with clean water.

LIMITATIONS:

1. Primer needs to be over-coated between a maximum period of 10 days as the product is not UV stable.
2. Not a cure for damp, moisture content must be 15% or below.
3. Can only be used on absorbent surfaces.
4. Cannot be applied in cold or moist conditions.

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.
5. Avoid contact with eyes. In case of contact with eyes rinse immediately with running water and seek medical advice
6. If product is ingested, drink plenty of water or milk. Do not induce vomiting at any time. Seek medical advice.
7. 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.
8. To avoid any risk of spillage, always transport in a secure upright position.

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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 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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