

BERGERMASTER CRAFTSMAN NUKOTE

TECHNICAL DATA SHEET

Version 5 – 2020 JULY

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

Low cost, quick drying, general purpose matt interior and exterior PVA

PRODUCT USES

- Primarily used on new plastered interior and exterior walls where a quick drying matt finish is required.
- May also be used as a low cost finish for interior ceiling boards.

FEATURES AND BENEFITS

- Low cost PVA, specifically formulated for contractor's requirements.
- Quick drying time.
- Good obliteration and over-coating properties.

PRODUCT INFORMATION

Appearance	Matt
Colour	White and Ready-Mix colours
Binder Type	Styrene Acrylic
Density at 23°C	Approx. 1.40
Solids Content	By weight: Approx. 48% By volume: Approx. 27%
Packaged Viscosity	Viscosity at 23°C: Approx. 115 KU
Spreading Rate	Approx. 8m ² per litre depending on surface porosity, profile and application method.
Recommended DFT per coat	Min. 30µm. Max. 35µm
Recommended WFT per coat	Min. 110µm. Max. 130µm
Flash Point	Non-flammable

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APPLICATION INFORMATION

Mixing	Stir until homogeneous with a flat paddle.
Application Surface conditions	Surface Temperature between 10 - 35°C. Relative Humidity between 10 - 85 % OR 2°C above dew point minimum.
Application methods	Brush, lamb's wool roller or airless spray.
Thinner	Thinning not recommended. Ready for use after thorough stirring. Water if required for spraying to maximum of 5 - 10% of product volume
Drying Time	Touch dry 30 minutes at 23°C.
Recoating Time	4 hours at 23°C (Drying times will be extended during cold, wet or humid conditions)
Cleaning of equipment	After use, remove as much product as possible, and then clean immediately with water.
Substrates	Suitable for correctly prepared cement plaster, concrete, fibre cement, ceiling boards and various composite boards as well as suitable prepared and primed gypsum plaster.
Precautions	Do not apply during cold (below 10°C) or wet weather. Do not apply directly to bare metal surfaces. Not suitable for direct application to powdery or friable surfaces whether previously painted or not. For areas subject to continual handling/soiling, e.g. cupboards, doors and kitchens and bathrooms use Dulux Pearl glo Enamel Water-Based . Not suitable for use in kitchen and bathrooms. Do not clean the surface within 7 days of applying.
Coats Required	Apply two to three finishing coats to new surfaces to achieve a continuous closed film and solid colour.

SURFACE PREPARATION

Plaster sand should comply with SABS 1090 requirements. Plaster mix must be applied at a minimum thickness of 10mm, curing to a hard and sound finish, free of soft and friable material. MPA strength must comply with SABS 0164-1 (10MPa=2, 6:1 and 5MPa=4:1). Ensure that surfaces are sound and free from dust, oil, grease, dirt, and debris. Surfaces must be thoroughly dry - no more than 12% moisture content.

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SURFACE PREPARATION

NEW SURFACES

Cement Plaster (non-friable), Composite Boards and Fibre Cement

- Fresh plaster should be allowed one week drying for every 5mm thickness; and longer in cold or damp weather.
- 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).
- Spot-prime metal strips and nail heads with appropriate metal primer.
- Prime with **Bergermaster Water Based Plaster** or **Dulux Plaster Primer**
For very absorbent surfaces more than one coat of selected primer could be required to achieve correct binding and sealing properties.

Gypsum Plaster - Interior

- Newly applied Gypsum Plaster can present variable surface finishes based on the application method, the quality and type of gypsum plaster used. This can present variability in the finish of the applied gypsum in terms of surface hardness, texture and porosity. This may require added attention during priming.
- Ensure the gypsum plaster is sound, non-friable, applied and cured as per the manufacturer's specifications.
- After wiping down the gypsum plaster, no chalky powder should remain on the surface.
- If the gypsum is sound, apply a single coat **Bergermaster Water Based Plaster Primer** or **Dulux Bonding Liquid**.
- As gypsum plaster is a very porous surface, adsorption of the applied plaster primer or bonding liquid may occur. To test for this, wipe a black cloth over the dried applied **Bergermaster Water Based Plaster Primer** or **Dulux Bonding Liquid** to test its integrity. If a white residue is found on the back of the cloth, apply 1 to 2 further coats of the respective **Bergermaster Water Based Plaster Primer** or **Dulux Bonding Liquid** applied to achieve the correct binding and sealing properties.

Concrete

- Remove any uncured cement, grease, and mould release agents by high-pressure water blast, or wash with a strong solution of **Dulux Pre-Paint Sugar Soap** /water solution. Rinse off thoroughly with clean water and allow drying.
- For best paint system performance prime with one full coat **Bergermaster Water-Based Plaster Primer** or **Dulux Bonding Liquid** or **Dulux Plaster Primer**.

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SURFACE PREPARATION

PREVIOUSLY PAINTED SURFACES

Good Condition, not powdery

- Remove any loose and flaking paint back to a sound substrate and firm edges by scraping and sanding.
- Clean surfaces with **Dulux Pre-Paint Sugar Soap** /water solution to remove all surface contaminants and chalky residue, rinse with clean water to remove all traces of the **Dulux Pre-Paint Sugar Soap** treatment and allow drying out. For exterior application can high pressure water jet cleaning be used as an alternative to the **Dulux Pre-Paint Sugar Soap** treatment.
- Spot prime bare exposed substrates with appropriate primer.
- Enamel surfaces need to be sanded to a matt finish to aid adhesion before commencing with the **Dulux Pre-Paint Sugar Soap** /water solution treatment. Apply a coat of **Dulux Universal Undercoat**.

Old Paint in Poor Condition

- Completely remove all loose and flaking paint.
- Remove oil, grease dirt or any other contaminants with **Dulux Pre-Paint Sugar Soap**/water solution and allow drying.
- Friable surfaces must be removed and repaired.
- Chalked surfaces must be thoroughly brushed or prepared with high pressure water cleaning. NOTE: **Dulux Bonding Liquid**, which is un-pigmented, is preferred as alternative to **Bergermaster Water Based Plaster Primer** for correctly prepared chalky surfaces (non-friable) as it has the ability to penetrate further into the surface.
- Mould instructions. To kill lichen and algae growth, scrub with one of the following solutions: either 4:1 water/chlorine, or 4:1 water/sodium hypochlorite. Ensure that the areas are completely saturated, and allow the solution to react for a minimum of 4 hours. Rinse the complete surface thoroughly with clean water and allow drying.
- Prime all exposed substrates as per new surfaces.

FILLING

Fill all imperfections with the appropriate **Dulux Pre-Paint** filler and spot prime filled areas with appropriate **Dulux Primer** once the crack filler has dried properly. Failure to do this will result in uneven sheen levels between the repaired and normal areas.

HEALTH AND SAFETY INFORMATION

Warning: May cause an allergic skin reaction. This product contains no added lead. Avoid contact with skin or eyes. Keep out of reach of children. If accidentally swallowed, seek medical advice immediately and show this container to the doctor. Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible.

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HEALTH AND SAFETY INFORMATION

If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used. Do not empty into drains or watercourses. Ensure good ventilation during application and drying. It is recommended to use suitable protective clothing and equipment. Call a POISON CENTER or doctor/physician if you feel unwell. Dispose of contents and container in accordance with all local, regional, national or international regulations. To avoid the risk of spillage, always store and transport containers in a secure upright position. Refer to Material Safety Data Sheet for complete information.

ADDITIONAL INFORMATION

Packaging	White - 5Lt, 20Lt Ready-Mix Colours – 20Lt
Storage Conditions	Store under cool dry conditions away from direct sunlight, heat and extreme cold.
Disclaimers	Colour references are as accurate as modern printing will allow. Please refer to the in-store stripe cards for an accurate representation of the colour. Among others, the following factors may affect final colour appearance: product sheen and texture, colour and light reflections, application, surface texture and preparation. For best colour and sheen consistency, it is advisable to use containers of the same batch number, to mix different batches together in a large container, or to finish in a corner before starting a new container.

TDS STANDARD DISCLAIMER

The recommendations contained herein are given in good faith and meant to guide the specifier or user in accordance with good painting practices. They are gained from our tests and experiences and are believed to be accurate and reliable. No warranty/guarantee is implied by the recommendations contained herein since the conditions of use; application method, substrate and cleanliness of the substrate are beyond Dulux control.

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. Dulux Technical Data Sheets are available on our website www.duluxtrade.co.za or please contact: Dulux On-Line on 0860 330 111. Email ZA.Helpline@akzonobel.com

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