

TECHNICAL DATA SHEET

PROMINENT PAINTS ULTRA SHIELD

DATE: 04 July 2018

THIS SUPERCEDES ALL PREVIOUS PUBLICATIONS

Prominent Paints Ultra Shield is a high performance fine textured low sheen exterior wall coating based on a blend of propriety pure acrylic binders and fillers that combine outstanding flexibility, elasticity with excellent hairline crack bridging and weather resistant properties.



INTENDED USES:

1. Exterior final coat for new or existing facades (exterior walls).
2. Decorating and protection of correctly prepared and primed cement plaster, concrete, brickwork, fibre-cement, metal and wood substrates.

FEATURES:

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| 1. Low dirt retention | Easy cleaning, low odour and quick drying. |
| 2. Water-based | |
| 3. Hardwearing and washable | Easy to clean and remove dirt and grime. |
| 4. Resist staining | Can be applied to previously coated, sound surfaces. |
| 5. Good adhesion | Does not chalk on outside exposure – normal fading of colours can take place over time. |
| 6. UV Resistant | Excellent flexibility to keep hairline cracks obliterated, when applied at less than 5m ² /l. |
| 7. Hairline crack bridging | Allows coating to breathe, allowing moisture to escape, but resist ingress of water into the coating. |
| 8. Water vapour permeable | |
| 9. Can be tinted to specific colour requirements. | |
| 10. Low VOC. | |

PRODUCT INFORMATION:

Appearance:	Low Sheen with fine texture.
Colours:	White and tint bases to tint most of the colours on the tint system.
Solids:	± 60% by mass and ± 45% by volume.
Density:	± 1,25kg/l
Recommended Dry Film Thickness:	2 coats at 90µm per coat minimum.
Recommended Wet Film Thickness:	2 coats at 200µm per coat minimum.
Spreading rate:	3 - 5m ² per liter per coat dependant on surface texture and porosity.
Viscosity at 23°C:	± 90Kµ (275 grams).
Life expectancy:	10-years for specified exterior applications.
Flash point:	Non-flammable.
Green Star Category:	Walls & Ceilings.
Calculated max VOC:	16g/L maximum for White & Pastel tinting base.
Respecting the environment:	Low VOC. Dispose of excess product and containers in a responsible manner without harming the environment.

STORAGE:

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

PACKAGING:

20Lt, White and Clear base

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APPLICATION DETAILS:

Mixing:	Stir well before use with a flat paddle to a homogenous consistency. Stir occasionally during use to ensure correct application results.
Method:	Roller and brush.
Thinning:	Ready to use. Do not dilute.
Cleaning:	Tap water. Remove as much of the product as possible from the application equipment before cleaning with water.

Application Conditions:	<u>Surface Temperature</u>	<u>Ambient Temperature</u>	<u>Relative Humidity</u>
	Min: 5°C or 2°C above dew point, if possible away from direct sunlight	Min: 5°C	Min: 10%
	Max: 40°C	Max: 40°C	Max: 85%

Drying time:	<u>Touch dry:</u>	<u>Overcoating:</u>	<u>Full cure:</u>
	30 minutes at 23°C	4h at 23°C	7 – 21 day depending on weather conditions.

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. 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 Exterior Facades:

1. Cement plaster sound with 15% or less moisture Apply one coat Prominent Dampcure or Prominent Plaster Primer.
2. Cement plaster sound with 40% or less moisture Apply one coat Prominent Dampcure diluted 10% with Mineral Turpentine. Allow 24 hours curing before applying 2nd coat Prominent Dampcure undiluted with 24 hours curing time. Only proceed once the moisture contents proved to be 15% or less.
3. Fibre Cement Apply one coat Prominent Dampcure or Prominent Plaster Primer.
4. Slightly friable plaster Apply 1 coat Prominent Surface Restorer and allow curing for 24 hours. Test adhesion of the Prominent Surface Restorer with a cross hatch masking tape test. If suspect apply a further coat of Prominent Surface Restorer. Repeat adhesion test. Only proceed if good results are achieved. Consult Prominent Technical department if adhesion test failed.
5. Wood One coat Prominent Wood Primer.
6. Mild steel One coat Prominent Rust Primer.
7. Galvanised iron Apply 2 coats Prominent Rust Primer.

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SURFACE PREPARATION

Redecorating Exterior Facades:

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| 1. Sound gloss enamel paint | Sand well to a matt finish, Clean with General Purpose Cleaner/water mixture diluted 1:5 and abrasive pad. Rinse with water and allow drying. Apply 1 coat Prominent Universal Undercoat. |
| 2. Sound matt and emulsion paint | Clean with General Purpose Cleaner/water mixture diluted 1:5 and abrasive pad. Rinse with water and allow drying. Apply directly. |
| 3. Chalky surfaces | High Pressure water jet cleans the wall to remove the chalk back to sound painted surface. Allow drying before applying one coat Prominent Surface Restorer. |
| 4. Poor condition surfaces | Strip down and treat as new work. |
| 5. Walls with moisture related problems | Consult Prominent Technical Service Department. |

LIMITATIONS:

1. The low VOC compliance is applicable on White and colour mixed from Controlled White for batches manufactured from 1 September 2016 onwards.
2. Weather conditions during application should conform to the Standard. The surface temperature of the substrate should be between 10°C and 40°C and the relative humidity below 85%. Do not apply in freezing conditions, in windy weather, or if rain is likely.
3. Wet film thickness measurements (WFT) need to be done with a good quality WFT comb, immediately after application, and serves as a guide to verify WFT during application. Only dry film thickness (DFT) measurements can be used as part of the quality control process.
4. **PROMINENT PAINTS ULTRA SHIELD** can't be used for interior applications.
5. To ensure a consistent appearance ensure that batch numbers on all the containers are the same. Where the batch numbers differ, intermix before use.
6. Spot touching up over large areas will be noticeable.
7. **PROMINENT PAINTS ULTRA SHIELD** can only be applied to quality undercoats and primers.
8. Cannot be overcoated with non-flexible paints.
9. Spreading rate of 5m² per liter should not be exceeded.

SAFETY PRECAUTIONS:

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

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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 VOC compliance to 16g/L maximum is only applicable to product tinted from White Base.

Product Information:

Colourant to be used: Prominent colourants specifically formulated for use with Prominent Pro-Matic tinting system.

Tint Bases: ICC colourants which using only Prominent supported formulations on Largo 2000.
White and Clear Base.

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 control. For a surface specific specification contact 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 Technical Data Sheets are available on www.prominentpaints.co.za or from Prominent Customer Service Department.

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