

# TECHNICAL DATA SHEET

P.DS.015 (FB SERIES) REV03/01/2022

WATER BASED

# DIMENSIONS SILK



10  
YEAR QUALITY  
GUARANTEE



A high quality, smooth, pure acrylic, luxurious sheen and washable paint with superior whiteness and coverage. Designed to give 10 000 scrub cycles or more as per the SABS Test Method for wet abrasion resistance. Available in white and a range of standard colours.

## USES

Promac Dimensions Silk is suitable for interior and exterior applications, for both new and redecoration work. Ideal for application on plaster, cement, gypsum, fibre-cement, timber, metal, and steel substrates where a smooth luxurious sheen is required after suitable preparation and priming.

## FEATURES & BENEFITS

- Scrub resistant
- Superior whiteness
- Stain resistant
- UV resistant
- Washable
- Low VOC

## TECHNICAL DATA

<b>PHYSICAL FORM</b>	Non-flammable viscous liquid with a slight ammonia odour
<b>COLOUR</b>	White, a range of standard colours & available in tint bases
<b>FINISH</b>	Smooth, Silk
<b>SPREADING RATE</b>	Approximately 7 – 8 m <sup>2</sup> /ℓ dependant on the substrate and application.
<b>POLYMER TYPE</b>	Alkali-resistant pure acrylic
<b>RECOMMENDED FILM THICKNESS</b>	WFT: 110 – 170µm DFT: 34 – 44µm
<b>VISCOSITY at 23 °C</b>	90-95 KU
<b>S G at 23 °C</b>	1.135-1.235Kg/ℓ
<b>VOLUME SOLID</b>	26 – 33%
<b>FILLERS</b>	Non-toxic extenders
<b>PIGMENTS</b>	Lightfast and alkali-resistant types only
<b>DRYING PROPERTIES</b>	Surface or touch-dry: within 1 hour
<b>RECOATING TIME</b>	2 - 4 hours depending on conditions during drying and film build
<b>FLASH POINT</b>	Not flammable in liquid form
<b>PACKAGING</b>	1ℓ, 5ℓ & 20ℓ
<b>THINNING</b>	Supplied ready for use, thinning is not recommended, but if required add a minimum quantity of clean water. Excessive dilution degrades the quality of the product. (NB: DO NOT add solvent-based thinners such as mineral turpentine).

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## CLEANING

Do not allow the product to dry on equipment. Equipment may be cleaned using water or Promac Brush Cleaner.

## APPLICATION METHOD

Apply using a brush, roller or airless spray.

## DO NOT PAINT

- IF THE TEMPERATURE IS BELOW 10°C OR ABOVE 35°C
- IF THE SURFACE IS DAMP (MOISTURE READING ABOVE 15%)
- IF IT IS RAINING OR RAIN IS FORECAST
- BEFORE 9H00 AND AFTER 16H00 IN THE WINTER

## SURFACE PREPARATION

**General:** Ensure surfaces are dry (15% moisture maximum), in sound condition, clean and free from any contaminants.

**Poorly adherent materials:** Remove all poorly adhering material such as loose particles and damaged existing paint from the surface. If not effectively removed with the use of high-pressure water cleaning, then remove with the means of mechanical methods such as Hand or Power tool cleaning.

**Fungicide, mould & bacteria:** Remove fungicide, mould, bacteria, and other contaminants of a similar nature from the surface with RB10 Antifungicide or Promac Galv Prep.

**Oils, grease & grime:** Remove oils, grease, grime, and other contaminants of a similar nature from the surface with RB10 Clean & Degrease or Promac Galv Prep.

**Efflorescence:** Remove as much loose material from the surface by means of mechanical methods such as Hand or Power Tool Cleaning, then further treat, clean and prepare the surface with the use of Promac Galv Prep.

**Cement, plaster and screeds:** Allow for new plaster and concrete applications to cure for a minimum of 14 days and 28 days respectively.

**Existing enamel/solvent based:** All existing coatings that are in good condition, (confirmed by carrying out adhesive tests) must be prepared. The surface of the existing coating must be profiled for optimal overcoating adhesion capabilities. Profile the existing coating by lightly abrading the existing coating surface with a suitable sandpaper. Then wipe down the surfaces with a damp cloth and allow the surface to dry.

**Friable Substrate Materials & Chalky surfaces:** Before treating surfaces for friable and chalkiness, all poorly adherent material must be removed as advised in the surface preparation for poorly adherent material. Thereafter, test the surface for friable and chalky properties with the use of clear tape used for dust and debris tests, such as the Elcometer 142 dust tape or a similar quality alternative product. Apply the tape to the surface, firmly rub along the tape. After a short while remove the tape and place the tape on a white piece of paper. Check the tape's cleanliness to determine the correct preparation method.

### Friable and/or chalky cementitious substrates:

Apply Promac Bonding Liquid Water Based or Solvent Based. Allow for the application to dry before conducting the friable and chalky surface test again and apply an additional coat if required.

NOTE: All additional products advised for use during preparation must be use and applied in accordance with the relevant product's data sheets.

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### PRIME

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**Metal, steel & chromadek substrates:**

Prime the prepared surface with a coat of Promac Steel & Metal Etch Vinyl Primer, RB10 Metal Primer or Promac Multiprime.

**Wooden Surfaces:**

Prime the prepared surface with a coat of Promac Wood Primer

**Plaster, Cementitious & Masonry Substrates Surfaces:**

Prime the prepared surface with a coat of one of the following Promac products.

- Promac Plaster Primer SB
- Promac Plaster Primer WB Nano-Tech

**Moisture levels between 15% – 50%:**

Prime the prepared surface with a coat of Promac Dampguard.

**Previously painted enamel/solvent-based coating surfaces:**

Apply one coat of Promac Universal Undercoat.

NOTE: All additional products advised for use as a primer product must be use and applied in accordance with the relevant product's data sheets.

### APPLICATION

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After suitable surface preparation and priming, apply 2 coats of Promac Dimensions Silk to the surface. For bright tinted Promac Dimensions Silk colours 3 to 4 coats may be required to achieve ideal obliteration. Allow for 2 – 4 hours drying time between coats.

### HEALTH & SAFETY

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Keep paint away from children and animals. Never smoke, drink or eat while painting. Wear protective overalls, gloves and goggles. If accidental contact with skin should occur, wash immediately with clean water. Harmful if swallowed. Do not induce vomiting. Consult your doctor. Ensure good ventilation during application and drying. Store in a cool, dry place out of the sun.

### DISCLAIMER ADVICE

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The information given in this Product Information Sheet is based on controlled laboratory tests and many years of experience. It is given in good faith, but no guarantee of any performance characteristic is given or implied. Promac Paints cannot be held liable for consequential damage of whatsoever nature that may arise from the use of Promac products. Paint technology is continuously being developed and Promac Paints reserves the right to update product specifications without prior notice. Contact Promac Paints for further details.