

TECHNICAL DATA SHEET

P.DS.306A (FB SERIES) REV04/09/2022

WATER BASED

DESIGN 4-IN-1 COATING SYSTEM



Promac Design Coating System is a 4-in-1 modified acrylic sealer, primer, waterproofer and topcoat for interior and exterior surfaces. It can also be used for waterproofing of plastered exterior parapets & cappings in conjunction with a reinforcing Geo membrane (Bidim). This acrylic paint can be used in all regions of Africa for all types of occupancy classifications (SANS 10400; Table 1 of Regulations A (20 (1))).

USES

Interior & Exterior

This product can be applied to suitably prepared gypsum and fibre cement boards, new or previously painted sound plaster, bagged finishes, cast in-situ concrete/precast concrete, brick surfaces and previously painted water-based surfaces. Can be used as waterproofing for cured plaster, concrete, brick, fibre cement or sound previously prepared surfaces in conjunction with a reinforced membrane.

FEATURES & BENEFITS

- Tough & highly flexible wall coating system, sealer, primer, waterproofer and topcoat
- Excellent adhesion
- Easy to use and clean-up
- UV & all weather resistant
- Alkali & water resistant
- Resists growth of mould & fungus

TECHNICAL DATA

PHYSICAL FORM	Non-flammable viscous liquid containing pigments and extenders
COLOUR	Range of standard colours
FINISH	Smooth Matt
POLYMER TYPE	Alkali-resistant acrylic copolymer latex
FILLERS	Non-toxic extenders
SOLIDS	By mass: Approx. 62 ± 2%, By volume: Approx. 42 ± 2%
VISCOSITY	Viscosity at 23°C: Approx. 110ku
DENSITY AT 23 °C	Approx. 1.520 ± 0.05 kg/L
PIGMENTS	UV resistant types only
RECOATING TIME	4 - 6 hours @ 23°C depending on conditions during drying
DRYING PROPERTIES	Surface or touch-dry: within 1 hour @ 23°C
FLASH POINT	Not flammable in liquid form
SPREADING RATE	Approximately 3 - 5 m ² per litre per coat
PACKAGING	20ℓ
THINNING	Supplied ready for use, thinning is not required
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 suitable roller or brush. Can be applied with airless spray.

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SURFACE PREPARATION

General: Ensure surfaces are dry (10% 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 methods.

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

Oils, grease & grime: Remove oils, grease, grime, and other contaminants of a similar nature from the surface with Promac 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.

Friable and/or chalky cementitious substrates: Apply Promac Bonding Liquid Water Based or Solvent Based. On non-cementitious substrates, chalky material must be completely removed.

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

APPLICATION

Application to Walls: Apply undiluted product to prepared surface. Apply at a spreading rate of 3 – 5 m² per litre per coat to achieve a uniform finish and the required film thickness. Allow to dry for 4 – 6 hours @ 23°C between coats.

Waterproofing parapets, parapet joints and cappings: Embed reinforcing GEO membrane (Bidim) into the first coat and saturate whilst still wet with a fresh coating. This increases the film strength over joints. Allow to dry for 4 - 6 hours @ 23°C before applying Promac Design Wall Coating system as described above to complete the system.

IMPORTANT

- If it rains between coats, allow at least 48 hours drying time at 23°C (minimum) to ensure thorough drying before applying any further coats. If there is any rain damage to the coating, apply additional two coats as described above.
- The waterproofing system should be inspected every three years for mechanical damage. If required, apply a maintenance coat to the remainder of the system.
- Two coats are recommended for optimum durability, especially when used as a water proofing of cured plaster, concrete, brick and fibre cement.
- For applicator training: contact Promac Paints: training@promacpaints.co.za

DO NOT USE

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

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HEALTH & SAFETY

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

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.

