

TECHNICAL DATA SHEET

P.DS.171 (FB SERIES) REV03/02/2023

WATER BASED

RUBBER DUCK SEAL FLEX

ISO 9001



YEAR QUALITY GUARANTEE



Promac Rubber Duck Seal Flex is a superior acrylic matt finish, high build, flexible, fibre-reinforced waterproofing and all-weather resistant coating. Promac Rubber Duck Seal Flex is applied as a thick liquid paste forming a seamless, decorative, and flexible film. It prevents water penetration and extends the life of the roof or structure. Serves as an anti-drum coating on air conditioning ducts.

USES

Interior & Exterior

Promac Rubber Duck Seal Flex can be used for waterproofing on suitably prepared parapet wall cappings, joints and flashings. Waterproofing of flat roofs (e.g., concrete, IBR - zinc sheeting). Localised sealing of joints roofing screws etc. (NB - membrane recommended for joints) and many other waterproofing jobs.

- Cappings
- Cementitious tiles
- Concrete
- Flat roofs
- Galvanised steel
- Intricate waterproofing tasks
- Non-traffic flat areas
- Timber
- Walls

FEATURES & BENEFITS

- Forms a watertight fibre-reinforced system
- Bridges cracks of up to 2mm
- High strength and elasticity
- All weather and UV resistant
- Extremely tough and flexible
- Applicable to less accessible locations, moulds to sharp and intricate contours
- Serves as an anti-drum coating on air conditioning ducts
- Ready for use
- Maybe overcoated with most Promac decorative paints / topcoats
- Environmentally friendly

TECHNICAL DATA

PHYSICAL FORM	Non-flammable, water-based pseudoplastic viscous coloured mastic
COLOUR	Wide variety of standard Roman colours
FINISH	Medium Sheen, highly flexible film
POLYMER TYPE	Modified flexible acrylic latex
SOLIDS	44 – 47% by Mass, 34 – 37% by Volume
S.G. at 23°C	1.190±0.05kg/ℓ
PH	8.5 – 9.5
VISCOSITY	105 – 110 KU
PIGMENTS & FILLERS	Non-toxic, weather resistant types

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SPREADING RATE	Approximately 0,8 – 1,4m ² / litre per application: 2 coat system required
WET FILM THICKNESS	700 - 1100 µm per coat depends on the application
DRY FILM THICKNESS	250 – 400 µm per coat depends on the application
DRYING PROPERTIES	Surface or touch-dry: 2 hours
RECOATING TIME	12 hours depending on conditions during drying & film build
FLASH POINT	Not flammable in liquid form
PACKAGING	5ℓ & 20ℓ
THINNING	No thinning required; product is supplied ready for use
CLEANING	Equipment is readily cleaned using water provided the paint is still wet. Cured paint may be removed using Promac Brush Cleaner
APPLICATION METHOD	Apply with a brush or roller

DO NOT USE

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

IMPORTANT

- Do not apply where ponding of water may occur.
- If it rains between coats, allow at least 48 hours drying time @ 23°C to ensure thorough drying before applying any further coats. If there is any rain damage to the coating, apply two coats according to the application specification.
- It's important to test a sample area for adhesion ahead of time and that for each new project the integrity and soundness of the surface is inspected.
- It's advised to take into consideration the local weather conditions such as ambient temperature and air humidity during the application of the material and after the application until the material is dry to its full cure. Avoid freezing temperatures or excessive moisture on the material before it is dry to its full cure.
- Not suitable for slurry, slate, clay tiles, shingle and bitumen roofs.
- Repair and reinstate weak concrete and surface defects.
- The waterproofing system should be inspected after 3 years and, if necessary, a maintenance topcoat should be applied.
- Allow curing for at least 14 days.

PRECAUTIONS:

Roof Slopes:

- Make sure that the slopes are such that they prevent water from ponding (minimum slope of 2 - 4°).
- Make sure that the slopes are even along the roof.

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 methods.

Fungicide, mould & bacteria:

Remove fungicide, mould, bacteria and other contaminants of a similar nature from the surface with RB10 Anti-fungicide or Promac Galv Prep.

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Rust:

All rust layers must be removed until a bright clean metal finish is achieved. Remove all rust with mechanical surface preparation methods such as; Hand Tool, Power Tool or Blast Cleaning Methods. The loose rust must then be removed by means of Vacuum Cleaning. Thereafter the surface of the metal must be surface cleaned and prepared with 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 day respectively.

Existing bitumen:

All existing coatings that are in good condition, (confirmed by carrying out adhesive tests) must be prepared. Remove and repair any damage bitumen coatings or torch on applications. Further clean and prepare the bitumen surfaces with Promac Galv Prep.

Friable Substrate Materials & Chalky surfaces:

All friable & chalky material and surfaces of substrate are to be completely removed by means of surface preparation methods such as; hand tool, power tool and/or water cleaning methods. Surface preparation must be repeated until the surface is free from all friable and/or chalky material. On cementitious substrates reinstate areas with the suitable mortar mixture and allow to dry.

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

PRIME

Metal, steel & chromadek substrates:

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

Previously painted enamel/solvent-based coating surfaces:

Prime the prepared surface with a coat of Promac Universal Undercoat.

Cementitious & Masonry Substrates Surfaces:

Prime the prepared surface with a coat of Promac Solvent based Plaster Primer.

Bitumen Coating Surface:

Prime the prepared surface with a coat of Promac Nudek Primer & Sealer.

Moisture levels above 15%:

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

- Promac Damp Guard for moisture levels between 15 – 50%
- Promac Cement Slurry Kit for moisture levels between 15 – 70%

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.

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APPLICATION

1. First Coat:

Apply an undiluted coat Promac Rubber Duck Seal Flex at 0.8 –1.4m² per litre. Allow to dry for 12hours before recoating.

2. Second Coat:

Apply another undiluted coat Promac Rubber Duck Seal Flex at 0.8 –1.4m² per litre. Allow to dry for 12hours before overcoating.

Joints & Cracks:

While the first coat is still wet embed a non-woven polyester fabric membrane into the coat of Promac Rubber Duck Seal Flex and saturate. This will increase the film strength over joint.

OVERCOATING

Allow for Promac Rubber Duck Seal Flex to dry for at least 12 hours before overcoating with a Promac water-based topcoat.

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.