

TECHNICAL DATA SHEET

P.DS.157 (FB SERIES) REV05/03/2023

WATER BASED

RUBBER DUCK LIQUID RUBBER

ISO 9001



YEAR QUALITY GUARANTEE



Promac Rubber Duck Liquid Rubber and topcoat, is a medium sheen high build flexible acrylic waterproofing and coating material resistant to extreme temperatures and extreme environmental conditions. The material is applied as a thick liquid paste forming a seamless, decorative, and flexible membrane that prevents water penetration and extends the life of the roof or structure.

USES

Interior & Exterior

Suitable for new and redecoration work. Waterproofing system of properly prepared parapet walls, capping, flashings, flat roofs, joints, masonry walls. Primed substrates: galvanised steel, concrete, fibre cement, cementitious tiles, non-traffic flat areas and for intricate waterproofing tasks. Promac Rubber Duck Liquid Rubber system also resists growth of mould & fungus. It is tough and flexible. It also waterproofs timber and building boards.

FEATURES & BENEFITS

- Extremely tough and flexible
- Good resistance to abrasion, impact, and stone chipping
- Idea for less accessible locations, sharp & intricate contours
- Non-toxic
- Environmentally friendly
- Mould & fungus resistant
- High UV resistance
- High solar reflectance on grey
- Increases productivity
- High strength and elasticity
- Lead content, less than 90 ppm
- Ready for use

TECHNICAL DATA

PHYSICAL FORM	Smooth viscous coloured fluid
COLOUR	Range of standard colours
FINISH	Smooth Medium sheen
POLYMER TYPE	Acrylic emulsion
FILLERS	Fine, weather resistant types only
SOLIDS	50 ±2% by Mass, 39 ±2% by Volume
S.G.	1.23±0.05kg/ℓ
PH	8.5 – 9.5
PIGMENTS & FILLERS	Lightfast and alkali-resistant types only
SPREADING RATE	1.5 – 2 ℓ/m ²
WET FILM THICKNESS	Refer to spreading rate table
DRY FILM THICKNESS	Refer to spreading rate table
DRYING PROPERTIES	Touch dry: 2-4 hours @ 23°C depending on wet film thickness Over-coating time: 4 hours minimum, 24 hours maximum @ 23°C depending on wet film thickness Full cure: 14 days @ 23°C

Toll Free: 0800 014 901 | Head Office: 012 804 7305 | www.promacpaints.co.za



TECHNICAL DATA SHEET

P.DS.157 (FB SERIES) REV05/03/2023

FLASHPOINT	Non-flammable (water-based product)
PACKAGING	5ℓ & 20ℓ
THINNING	No thinning required; product is supplied ready for use
MIXING	Stir the contents thoroughly with a flat paddle before use. Do not mix with a paint stirrer drill, as this will aerate the product.
CLEANING	Clean all tools (brushes & rollers, trowel, and spray equipment) while wet with water after use.
APPLICATION METHOD	STANDARD APPLICATION PROCEDURE FOR HORIZONTAL SURFACES (Same procedure for vertical surfaces, except refer to film thickness spreading rate table applicable. Concrete, Fibre-cement, Galvanized Iron, Timber, Timber roofs, Asphalt, Malthoid, or Roofing Felt, Parapet Wall Capping, Flashings. Apply with a brush / roller / trowel / airless spray.

IMPORTANT

- It is important that for each new project the integrity and soundness of surface is inspected, that a sample test area be tested for adhesion ahead of time. It is advised to take in 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 depth. Avoid freezing temperatures or excessive moisture on the material before it is dry to its full thickness (full cure).
- If it rains between coats of PROMAC RUBBER DUCK LIQUID RUBBER, 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.
- Do not apply where ponding of water may occur.
- Not suitable for slurry, slate, or clay tiles.
- Repair and reinstate weak concrete and surface defects.
- Metal surfaces must be primed with suitable Promac Metal Etch Primer.
- Masonry surfaces may be friable: treat suitably with Promac Rubber Duck Nudek Primer & Sealer or Promac Bonding Liquid.
- Raw brick walls must be primed with Promac Rubber Duck Nudek Primer & Sealer or Promac Bonding Liquid.
- The waterproofing system should be inspected after 5 years, and a maintenance topcoat should be applied if necessary.
- Allow curing for at least 14 days.

SURFACE PREPARATION

New Surfaces:

Ensure surfaces are dry (10 % moisture maximum), in sound condition, clean and free from any contaminants such as dust, dirt, rust, salt, algae and grease. Remove all loose materials mechanically, with a wire brush, or by water or sand blasting, then thoroughly clean surfaces with a suitable surface cleaner. Metal surfaces must be free of rust. Metal or galvanized surfaces must be primed with Promac Metal Etch Primer (Including screw nail heads). Apply one coat of a solvent based Promac Plaster Primer to cement, masonry, plaster, concrete walls, fibre cement. Apply one coat of a solvent based Promac Wood Primer to timber and building boards. Apply one or more coats of undiluted Promac Rubber Duck Nudek Primer & Sealer on to concrete roofs, and cementitious tiles to achieve a sealed hazy finish for maximum overcoating adhesion. Raw brick walls apply undiluted one or more coats of Promac Rubber Duck Nudek Primer & Sealer or Promac Bonding Liquid, then apply one coat of solvent based Promac Plaster Primer.

Previously Painted Surfaces:

Ensure surfaces are dry (10 % moisture maximum), in sound condition and clean. Remove all loose materials mechanically, with a wire brush, or by water or sand blasting, then thoroughly clean and surfaces with a suitable surface cleaner until surface is free from any contaminants such as dust, dirt, rust, salt, algae, and flaking paint. Restore to a sound strong surface before repainting. Friable previously painted acrylic surfaces after cleaning, apply one coat of Promac Rubber Duck Nudek Primer & Sealer or Promac Bonding Liquid until a restored sound surface is achieved. Bare metal or galvanized surfaces must be primed with Promac Metal Etch Primer. (Including screw nail heads). Existing bitumen surfaces must be cleaned with Promac Galv Prep, allowed to dry then apply one to two coats of Promac Nudek Primer & Sealer as an intermediate coat.

Toll Free: 0800 014 901 | Head Office: 012 804 7305 | www.promacpaints.co.za



TECHNICAL DATA SHEET

P.DS.157 (FB SERIES) REV05/03/2023

Joins & Cracks:

Embed Non-Woven polyester fabric (Geomembrane) into the first coat of Promac Rubber Duck Liquid Rubber and saturate while still wet with a fresh coating. This increases the film strength over joints. Leave to dry for 6 hours @23°C then re-apply Promac Rubber Duck Liquid Rubber as described below.

APPLICATION

Primer coat:

Apply undiluted Promac Rubber Duck Nudek Primer & Sealer or Promac Bonding Liquid to the prepared surface. Ensure to apply a uniform wet film thickness 8-10m²/l per coat. Allow drying for 1-1:30 hours @23°C, then apply the first coat while tacky.

First coat and waterproofing coats:

Apply two or more coats of Promac Rubber Duck Liquid Rubber to the prepared surface at a spreading rate of 1.5 - 2.0l/m² (to achieve best waterproofing coat). Allowing 4 hours drying time @23°C between coats. For best results, apply a uniform wet film thickness by spray or trowel to maximise water proofing properties.

PRECAUTION

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.

SPREADING RATE

Approximate spreading rate per litre depending on surface porosity and profile.

WFT= (Wet film thickness), DFT = (Dry film thickness).

It is highly recommended to obtain and use a Wet Film Thickness Measuring Comb to measure and control the recommended wet film thickness as tabled below.

APPLICATION METHOD	PRODUCT INFORMATION	Waterproofing; Horizontal surfaces	Waterproofing; Vertical Wall surfaces
Airless spray	Spreading Rate	0.65 – 0.75l/m ² per coat.	0.4 – 0.5l/m ² per coat.
	Recommended DFT per coat	Min. 250 µm. Max. 300 µm	Min. 165 µm. Max. 205 µm
	Recommended WFT per coat	Min. 650 µm. Max. 750 µm	Min. 425 µm. Max. 525 µm
	Required coat to achieve recommended film thickness	2 coats or more required to achieve a minimum total DFT of 600 µm	2 coats or more required to achieve a min. total DFT of 400 µm

TECHNICAL DATA SHEET

P.DS.157 (FB SERIES) REV05/03/2023

Roller (Use a high-quality Micro-Fibre synthetic long pile roller) or Paint Brush.	Spreading Rate	0.25 – 0.35l/m ² per coat.	0.25 – 0.35l/m ² per coat.
	Recommended DFT per coat	Min. 100 µm. Max. 135 µm	Min. 100 µm. Max. 135 µm
	Recommended WFT per coat	Min. 250 µm. Max. 350 µm	Min. 250 µm. Max. 350 µm
	Required coats to achieve recommended film thickness	5-6 coats required to achieve a minimum total DFT of 600 µm (A smooth steel trowel may be used to achieve the film thickness in a 2 coat)	3-4 coats required to achieve a minimum total DFT of 400 µm

DO NOT PAINT

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

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.