



TECHNICAL DATA SHEET

Product Code	<ul style="list-style-type: none"> WPWBC-034
Product Description	<ul style="list-style-type: none"> Prostar HydroShield is a premium fibre-reinforced water-proofer used to bridge fine hairline cracks without the need for a separate reinforcing membrane.
Intended Uses	<ul style="list-style-type: none"> Ideal for waterproofing of correctly prepared and primed: Parapets and tops of freestanding walls Nail heads Cracked tiles and fibre cement roofs Cement or concrete walls Roof features Flower pots
Features & Benefits	<ul style="list-style-type: none"> Convenient membrane free application – simply brush on. Fibre reinforced – bridges cracks of up to 2.0mm without the need for a waterproofing membrane. Water & UV resistant Tough, durable and flexible Long lasting acrylic formulation Can be top coated with most water based paints
Product Information	<p>Appearance: Low sheen</p> <p>Colours: White</p> <p>Solids: Approx. 50 – 54% by volume Approx. 64 – 68% by weight</p> <p>Density: Approx. 1.30 kg/l</p> <p>Recommended Wet Film Thickness: Min 350µm. Max 500µm per coat (horizontal surfaces)</p> <p>Recommended Wet Film Thickness: Min 250µm. Max 330µm per coat (vertical surfaces)</p> <p>Recommended Dry Film Thickness: Min 200µm. Max 300µm per coat (horizontal surfaces)</p> <p>Recommended Dry Film Thickness: Min 250µm. Max 330µm per coat (vertical surfaces)</p> <p>Spreading Rate: Approx. 2 – 3m²/L per coat depending on surface porosity and application method.</p> <p>Viscosity at 23°C: 135 - 145 KU</p> <p>Flash Point: Non – Flammable</p> <p>Binder Type: Acrylic Emulsion</p> <p>This product is manufactured under strict SABS ISO 9001 : 2015 quality standards.</p>
Application Details	<p>Mixing: Stir thoroughly with a flat paddle until homogenous and occasionally during use.</p> <p>Method: Roller or brush. Roller mainly recommended for large flat wall surfaces.</p> <p>Thinning: Not Recommended</p> <p>Cleaning: Water clean-up</p> <p>Conditions: Application is tested at 23°C in climate-controlled environment</p> <p>Drying Time: Touch dry @ 2 hours @ 23°C</p> <p>Re-coating Time: 4 Hours – Depending on climatic condition. Cooler temperature extends drying times. The displays are approximate and are based on 23°C in climate-controlled environment</p> <p>Coats Required: For waterproofing flat, horizontal surfaces apply a minimum of 3 coats Prostar Hydroshield to achieve a minimum continuous total dry film thickness of 600µm. The waterproofing system should be applied to the whole length of the area that is to be waterproofed. Apply up, over, and down wall tops/copings, and extend at least 25mm down the sides. To prevent capillary action (water cohesion) the waterproofing system must be worked well into the substrate.</p>



TECHNICAL DATA SHEET

Application Details

For vertical wall surfaces, apply a minimum of 2 coats **Prostar Hydroshield** to achieve a minimum continuous total dry film thickness of 300µm, and to achieve the required crack-bridging and weatherproofing properties.

Cleaning of Equipment:

After use, remove as much product as possible, and then clean immediately with water.

All surfaces to be coated should be free of contaminants such as water, rust, dirt, oil, grease or loose particles. Moisture levels should be below 15% moisture content.

1. NEW WORK:

1.1 Cement Plaster Parapets, Wall Tops, Copings and Fibre Cement Roofs:

Fresh cement plaster should be allowed one week drying for every 5mm thickness; and longer in cold or damp weather. Prime with one coat **Prostar AquaPrime Eco Friendly Plaster Primer** or **Prostar 4 in 1 Plaster PrimerSeal Alkali Resistant**. For very absorbent surfaces more than one coat primer may be required to achieve correct binding and sealing properties.

1.2 Concrete:

Remove any uncured cement, grease, and mould-release agents by high-pressure water blast, or wash with a strong **Prostar Sugar Soap**/ water solution. Rinse off thoroughly with clean water and allow drying.

1.3 Galvanised Iron, Aluminium, and all non-ferrous metals:

Remove all traces of temporary protective coating, dirt and grease from the surface with **Prostar GalvKleen Galvanised Iron Cleaner**. Ensure complete removal of **Prostar GalvKleen Galvanised Iron Cleaner** by rinsing with running water. A water-break free surface indicates thorough cleaning – running water should not form droplets. If a water-break free surface was not achieved, repeat the cleaning process. Prime immediately after cleaning with two coats **Prostar WaterBased Flash Rust Resistant Primer** or with one to two coats **Prostar GalvKleen Galvanised Iron Cleaner** or **Prostar Anti Corrosive Etch Primer**, depending on the severity of the conditions. Two coats recommended for coastal conditions.

2. PREVIOUSLY PAINTED SURFACES:

2.1 Previously painted surfaces in good condition:

Wash down with water, allow drying and apply directly to acrylic coatings. Sand surfaces to a matt finish to aid adhesion, remove sanding dust and apply to enamel coating.

2.2 Previously painted surfaces in poor condition:

Completely remove all loose and flaking paint by most appropriate means, e.g. scraping, coarse sanding, or stripping with a paint stripper. Remove oil, grease dirt or any other contaminants with **Prostar Sugar Soap**/ water solution. Rinse with clear water and allow drying. Friable surfaces must be removed and repaired. Chalked surfaces must be thoroughly brushed or prepared with high pressure water cleaning. NOTE: While this product can be used for sealing exterior chalked or friable surfaces, it will not penetrate thick layers of powdery material. **Prostar Bonding Liquid** which is un-pigmented is preferred as it has the ability to penetrate further into the surface but need to over coated within 48 hours. Mould instructions. To kill lichen and algae growth, scrub with **Prostar Antifungal Wash**. Ensure that the areas are completely saturated, and allow the solution to react for a minimum of 4 hours. Rinse the complete wall surface thoroughly with clean water and allow drying. Prime all exposed areas with appropriate primer as recommended under new surfaces. For very absorbent surfaces more than one coat primer may be required to achieve correct binding and sealing properties.

3. FILLING

Fill all imperfections with the appropriate **Prostar Wallfix Crackfiller** and spot prime filled areas with **Prostar 4 in 1 Plaster PrimerSeal Alkali Resistant** once the crack filler has dried properly. Failure to do this will result in uneven sheen levels between the repaired and normal areas.

Surface Preparation



TECHNICAL DATA SHEET

3.1 Cracks

Medium plaster cracks between 0.2mm and 2mm are to be raked out with a scraper blade.

- Remove dust and debris.
- Treat mould growth as specified above.
- Rinse thoroughly with water and allow drying.
- Brush a generous coat of **Prostar Hydrosshield** into and over the cracks. Ensure that the cracks are filled with **Prostar Hydrosshield** and allow to dry.

Repeat until the cracks are completely filled.

Precautions

- Do not apply during inclement of extreme weather conditions:
 - wet, below 10°C or above 35°C
 - Relative humidity above 80 %
 - Temperature Lower than 3°C of dew point
- Not suitable as a primer for metal surfaces.
- Not suitable for direct application to powdery or friable surfaces whether previously painted or not.
- Not suitable for embedding waterproofing membrane except for the repair of large, structural cracks.
- The fibres in **Prostar Hydrosshield** will create a slightly rippled finish.
- Product is prone to dirt pick-up when left as a topcoat.
- Not a submersible waterproofing coating.

Safety Precautions

- Keep out of reach of children.
- If product is ingested seek immediate medical advice.
- In case of eye contact seek medical attention.
- Always ensure good ventilation during and after application
- Ensure that product is stored in a cool dry.
- Do not smoke while painting.
- Wear a suitable dust mask if sanding.
- To avoid any risk of spillage, always transport in a secure upright position.
- Do not apply to roofs that act as catchments for drinking water.

Storage Conditions

- Store in a cool, dry place away from direct sunlight or extreme cold.
- Open containers should not be stacked

Disclaimer:

The recommendations contained herein are given in all good faith and are meant to guide the specify or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No Guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

NB: 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.

DURBAN – MANUFACTURING

262 Inanda Road,
Springfield Park
Tel: 031 574 5376
From outside RSA: +27 31 574 5376

DURBAN – SALES

81 Moses Kotane Rd
Overport
Tel: 031 207 1133
From outside RSA: +27 31 207 1133

RICHARDS BAY - SALES

121/3 Dollar Drive, Shop 9
Richards bay Central
Tel: 035 760 1166
From outside RSA: +27 35 760 1166

CAPE TOWN – SALES

Aster Industrial Park,
53 Socony Rd, Parow
Tel: 021 532 1535
From outside RSA: +27 21 532 1535

JOHANNESBURG - SALES

Unit 5, Criscon Park, 112 Richards Drive,
Halfway House, Midrand
Tel: 010 224 0180
From outside RSA: +27 10 224 0180

Email: Info@prostarpaints.co.za