

PROLONG PRO-SHIELD

PL044

PRODUCT CODE:	PRO SHIELD BARRIER : PROSHBR (05) (20) PRO SHIELD BLACK 05LT : PROSHBL (05) (20) PRO SHIELD CHARCOAL : PROSHCH (05) (20) PRO SHIELD DEEP RED : PROSHR (05) (20) PRO SHIELD LIGHT GREY : PROSSHLGY (05) (20) PRO SHIELD TERRACOTTA : PROSHTC (05) (20) PRO SHIELD WHITE : PROSHW (05) (20)
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PRODUCT DESCRIPTION: *ProLong Pro-Shield* is a heavy-duty rubberised coating specifically formulated for roofing and waterproofing applications. *Pro-Shield* is suitable for:

Waterproofing: Roofs, parapet walls, roof bolts, flashings, roof joints, wall and chimney cappings. *Pro-Shield* provides a joint-free, seamless waterproofing coating which seals joints and fine cracks.

Roof Coating: *Pro-Shield* is a pure acrylic, high build, durable, weather resistant, UV stable roof coating with an attractive finish.

Corrosion Protection: Protection against corrosion on suitably prepared and primed Chromadek, Aluzinc, ZincAlume, corrugated iron, galvanised steel and mild steel.

Encapsulation: Protective barrier, which encapsulates and extends the lifespan of your roof.

INTENDED USES:

Pro-Shield is a rubberised sealer to waterproof and seal out moisture. *Pro-Shield* is suitable for use on steel roofs, roof tiles, cement, concrete and fibre cement. Easily applied to suitably prepared new or previously painted surfaces, torch-on and acrylic waterproofing.

NOTE: *Pro-Shield* is not suitable for use on, wood shingles, slurry, clay or slate. Not suitable for areas of long-term ponding or high traffic. Not suited for use under tiled surfaces.

FEATURES:

Exceptional elongation and elastic recovery.	Does not harden or go brittle over time.	Low VOC.
Excellent adhesion.	Long-term protection.	Lead & APEO free.
Superior weather resistance.	Excellent re-coating properties. Can be top coated or used as a final coat.	UV resistant.
Excellent obliteration and high build.	Attractive sheen finish.	Low maintenance and easily repairable.
Allows for expansion and contraction of the surface.	Pure acrylic polymer waterproof coating.	Shrugs off dirt and easy to clean.

PRODUCT INFORMATION:

- APPEARANCE
 - COLOUR
 - VOLUME SOLIDS
 - S G @ 25°C
 - MASS SOLIDS
 - PRACTICAL SPREADING RATE
 - VISCOSITY @ 25°C
- Sheen finish.
Pro-Shield: Black, White, Charcoal, Light Grey, Terracotta, and Deep Red. White is tintable in pastel, UV stable colours only.
Pro-Shield Barrier - milky
 43% by mass typical (Varies by colour)
 1.19 typical (Varies by colour)
 51%
Waterproofing: 3 coats. 1.3 m²/litre per coat. If insufficient build has been achieved (< 1.3 m²/l) a further coat will be required.
Roof Coating: 2 to 3 coats. 1.5m² / litre per coat. 270 micron (DFT) per coat. If insufficient build has been achieved (< 1.5 m²/l per coat) a further coat will be required.
 100 - 110 Ku

PROLONG PRO-SHIELD (contd.)

APPLICATION DETAILS:

- MIXING Stir thoroughly using a flat paddle. Stir occasionally during use.
- APPLICATION Brush, roller or airless/pressure pot spray (17, 19 or 21 thou nozzle). The use of conventional spray equipment is not recommended.
- DILUTION Not recommended.
- CLEANING Water.
- SUBSTRATE Suitably prepared steel, galvanised iron, Chromadek, Zinalume, Aluzinc, corrugated iron, concrete, brick, cement plaster, roof tiles, downpipes, PVC guttering and Bituminous surfaces.
- TOP COAT Can be used as a final coat or top coated with Wedgewood Roof Coat or Wedgewood decorative coatings.
- APPLICATION ENVIRONMENT

Ambient Temp	Relative Humidity
Min 5°C	Min: 10%
Max: 35°C	Max: 85%

- DRYING TIME

Overcoating	4 – 6 hours @ 25°C between coats.
Final Cure	3 – 5 Days.

STORAGE AND PACKAGING:

- Store away from direct sun, heat and severe cold. Do not exceed 50°C.
- Keep containers tightly closed.
- Packaging: 5lt & 20lt.
- Shelf life. 12 months from date of manufacture when correctly stored and unopened.

TRANSPORTATION:

SHIPPING NAME:	Not classified
PACKAGING GROUP:	Not classified
HAZARD CLASS:	Normal Water Based
S.I.N/UN NUMBER:	Not classified as dangerous for transport

SURFACE PREPARATION:

Ensure the surface is sound, dry, free from rust, dirt, chalking, oil, grease, fungus and any other contamination before painting.

Unpainted Surfaces:

- **Metal surfaces** – Preferably sand blast the substrate. Alternatively, remove rust by sanding, mechanical grinder or wire brush. Degrease with **ProLong Grease Devil**, rinse thoroughly with water and allow to dry. Prime with 1 to 2 coats of **Hydro Prime**. Prime within 12 hours of cleaning. We recommend immediate priming in coastal areas
- **Brick and cement plaster surfaces** – Ensure that the moisture content is less than 10% or that the surface has aged for at least 30 days before priming. Apply 1 coat of **Wedgewood Plaster Primer**.
- **Downpipes and PVC guttering** – Sand lightly and remove all dust. Apply 1 coat of **Hydro Prime**.
- **Galvanised iron, Chromadek, Zinalume, Aluzinc and corrugated iron** – Hydro blast the substrate and apply a suitable galvanised cleaner as per instructions. Prime with 1 coat of **Hydro Prime** or **Etch Primer**. Prime within 12 hours of cleaning. Immediate priming is recommended in coastal areas.
- **Cementitious and fibre cement roof tiles** – Hydro blast and allow to dry. Prime friable surface with one coat of **Wedgewood Plaster Primer** or **Bonding Liquid**.

PROLONG PRO-SHIELD (contd.)

SURFACE PREPARATION: (contd.)

Painted Surfaces:

- **Sound surfaces – Apply Pro-Shield** directly to sound, clean and dry acrylics.
Flaking or Chalking surfaces - Remove all chalking and loose material by scraping, sanding or hydro blasting. Lightly sand the surface. Rinse well with water. Allow to dry. Apply primer (or bonding liquid as appropriate) to exposed, uncoated areas as per unpainted substrate instructions above.
- **Bituminous surfaces and hard to reach areas:** Apply 1 to 2 coats of **Pro-Shield Barrier** to bituminous surfaces to encapsulate and prevent bleed through. Overcoat **with Pro-Shield** as per instructions above.
- **MIXING:**
Stir thoroughly using a flat paddle. Stir occasionally during use.
- **DILUTION:**
Do not add water or solvent to this product.

PRO-SHIELD BARRIER.

Pro-Shield Barrier is a water based, barrier coat to be applied over bituminous and hard to reach areas (e.g. hairline cracks, corners, recesses). Pro-Shield Barrier encapsulates the bituminous surface, prevents bleed through and improves adhesion.

Apply a liberal coat of Pro-Shield Barrier to bituminous substrate with a brush, roller or airless spray. Overcoat with Pro-Shield.

APPLICATION:

Prepare the substrate as per the instructions above.

Apply only when ambient temperature is between 5 and 35 degrees Celsius. Do not apply in inclement weather.

Strip coat all corners, edges and repairs prior to first coat application.

- **Parapets, flashings, joints, cappings and roof screws.** - Apply a base coat (+/- 1.3 m² / l) of **Pro-Shield** with a brush or roller. Do not roll out or stretch the coating. For gaps larger than 1mm, apply along with **Prolong Membrane**. Apply **Pro-Shield** to an area just wider than the **Prolong Membrane**. Press **Prolong Membrane** securely into the wet surface ensuring saturation from below. Allow a 50mm overlap of adjoining lengths of **Prolong Membrane**. Press out all air pockets and creases. Allow to dry thoroughly. Apply another coat over the membrane to ensure complete saturation (+/- 1.3 m² / l). Once touch dry, apply a final coat (+/- 2m² / l) and allow to dry. **Note: If insufficient build has been achieved (< 1.3 m²/l), a further coat will be required.**
- **Roof Coating** – Apply 2 to 3 coats of uniform thickness with a brush, roller or airless spray. An additional coat is recommended for coastal areas. Do not roll out or stretch the coating. Apply to achieve a build (DFT) of 270 microns per coat (+/- 1.5m² / l per coat). Apply successive coats at right angles to the previous coat. To avoid any contamination, if the first coat is left overnight, rinse the surface and allow to dry before applying subsequent coats. **NOTE: If insufficient build has been achieved (< 1.5 m²/l per coat), a further coat will be required.**

Coverage:

- **Parapets, flashings, joints, cappings and roof screws** – 3 coats. 1.3m²/litre per coat.
- **Pitched Roof Coating** – 2 coats. 1.5m² / litre per coat. 270 micron (DFT) per coat.
- **Flat Roof Coating** – 3 coats. 1.5m² / litre per coat. 270 micron (DFT) per coat.

In all cases, the application of **Pro-Shield Barrier** constitutes one of the recommended coats (i.e. Flat roofs, one coat **Pro-Shield Barrier** plus 2 coats **Pro-Shield**).

To ensure optimum performance, apply a maintenance coat of **Pro-Shield** every 5 years.

PROLONG PRO-SHIELD (contd.)

SUPPORTING PRODUCTS:

Supporting Products

- Dura Hydro Prime
- Pro-Shield Barrier
- Dura Etch Primer
- Prolong Grease Devil
- Prolong Membrane
- Wedgewood Plaster Primer
- Wedgewood Bonding Liquid
- Wedgewood Roof Coat / Signature Coat

CAUTIONS:

- Do not apply in inclement weather conditions.
- Apply when ambient temperatures are between 5 and 35 degrees Celsius.
- Not suitable for use on wood shingles, slurry, clay or slate.
- Not suitable for areas of long-term ponding or high traffic.
- Not suited for use under tiled surfaces.
- It is important to purchase enough product from the same batch to complete the project. Different batches may result in slight variations in colour or sheen, which are beyond the control of the manufacturer.
- The use of conventional spray equipment is not recommended.
- Do not add water to this product.
- Never add turpentine or thinners to this product.
- Store away from direct sunlight, heat and severe cold. Protect against freezing.
- Keep container tightly closed

GUARANTEE:

Pro-Shield offers maximum protection with a 7-year guarantee, when applied on suitable and properly prepared surfaces according to instructions. To maintain the guarantee, use only Dura Paints specified products. Whilst **Pro-Shield** is designed for use over an extended period, it is advisable to apply a maintenance coat every 5 years. For Guarantee T&C's visit www.durapaints.co.za. To register your guarantee, email orders@durapaints.co.za

PROTECT YOUR ENVIRONMENT:

- Empty containers should be left open in a well-ventilated area to dry out.
- Do not pour paint down the drain
- Brush out unwanted paint onto newspaper, allow to dry, dispose of via waste collection.
- Dry containers can be disposed of via waste collection or recycling programmes.

FOR YOUR SAFETY:

- Complies with the South African legal lead limit of 90ppm or less.
- Keep away from children
- Ensure good ventilation during application and drying.
- Take care to avoid contact with eyes. In case of contact, rinse eyes with clean water and seek medical attention.
- If contact with skin should occur, wash well with soap and water
- Harmful if swallowed. Seek medical attention.

DISCLAIMER:

- The recommendations contained herein are given in good faith and are meant to guide the specifier or the user.
- The recommendations are based on results gained from our experience and tests and are believed to be reliable.
- Whilst we are confident in the quality of our products, we cannot however accept liability for performance failure due to the incorrect application of our products. Where there are doubts, it is recommended that the user conduct their own suitability tests before use.
- 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 the control of the manufacturer.
- Technology may change necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used. See www.durapaints.co.za