

## DULUX WATERPROOFING

### TECHNICAL DATA SHEET

Version 3 – 2023 NOVEMBER

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

### PRODUCT DESCRIPTION

Exterior Waterproofing paint developed to be used with mesh membrane.

### PRODUCT USES

- An acrylic waterproofing paint developed to be used with a mesh membrane.
- This product can be used on flashing, roof joins, roof screws, parapets and chimney capping. **Dulux Waterproofing Paint** is not suitable for areas of long term ponding.

### FEATURES AND BENEFITS

- Excellent Adhesion.
- Water Resistance.
- Flexible and Durable.
- Can be applied with Brush or Roller.

### PRODUCT INFORMATION

<b>Appearance</b>	Matt
<b>Colour</b>	White, Green, Red, Grey, Charcoal, Terracotta and Black
<b>Binder Type</b>	Acrylic based
<b>Density at 23°C</b>	Approx. 1.2 Std SG setting (depending on colour)
<b>Solids Content</b>	
<b>Spreading Rate</b>	0.7m <sup>2</sup> to 1m <sup>2</sup> per litre depending on surface porosity, profile and application method
<b>Packaged Viscosity</b>	Viscosity at 23°C: Approx. 100 KU
<b>Recommended DFT per coat</b>	N/A
<b>Recommended WFT per coat</b>	N/A
<b>Flash Point</b>	Non-flammable

### APPLICATION INFORMATION

Mixing	Stir until homogeneous with a flat paddle.
Application Conditions	Surface Temperature between 10 - 35°C. Relative Humidity between 10 - 85 % OR 2°C above dew point minimum.

## DULUX WATERPROOFING

### APPLICATION INFORMATION

Application Methods	<p>Brush or roller.</p> <p><u>First Coat:</u> Roll or Brush a thick coat of <b>Dulux Waterproofing</b> (1litre/ m<sup>2</sup>). Work the membrane into the wet coat by using a roller or a stiff brush, avoiding the formation of bubbles or creases in the material.</p> <p><u>Second Coat:</u> Once the first coat has dried sufficiently to take working traffic (2 – 3 hours depending upon weather), apply a second coat of <b>Dulux Waterproofing</b> (0.7 litre/m<sup>2</sup>) to ensure the membrane is completely wet.</p> <p><u>Third Coat:</u> Once the second coat is dry, apply a final coat of <b>Dulux Waterproofing</b> at the spreading rate of second coat (0.7 litre/m<sup>2</sup>).</p> <p>*Membrane overlaps should be a minimum of 100mm.</p>
Thinner	Thinning not recommended. Ready for use after thorough stirring.
Drying Time	Touch dry 60 minutes at 23°C
Recoating Time	2 -3 hours at 23°C (Recoating times will be extended during cold, wet or humid conditions)
Cleaning of equipment	After use, remove as much product as possible, and then clean immediately with water.
Substrates	Flashing, roof joins, roof screws, parapets, chimney capping, etc.
Precautions	<p>Do not clean surface within 7 days of applying.</p> <p>Do not apply during cold (below 10°C) or wet weather.</p> <p>Not suitable for direct application to powdery or friable surfaces whether previously painted or not.</p> <p>Not suitable for flat roofs surfaces or areas subjected to long term ponding.</p> <p>Do not apply as waterproofer to roofs that act as catchment for drinking water.</p>

### SURFACE PREPARATION

Plaster sand should comply with SABS 1090 requirements. Plaster mix must be applied at a minimum thickness of 10mm, curing to a hard and sound finish, free of soft and friable material. MPA strength must comply with SABS 0164-1 (10MPa=2, 6:1 and 5MPa=4:1). Ensure that surfaces are sound and free from dust, oil, grease, dirt, fungal growth and debris. Surfaces must be thoroughly dry - no more than 12% moisture content.

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### SURFACE PREPARATION

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#### NEW SURFACES

##### **Cement Plaster (Parapets)**

- Ensure that plaster is dry, sound and non-friable. Fresh cement plaster should be allowed one week drying for every 5mm thickness; and longer in cold or damp weather.
- If powdery, apply one coat **Dulux Bonding Liquid** or **Dulux Trade Bonding Liquid**. If sound, clean and apply direct to surface.

##### **Concrete**

- Ensure that concrete is fully cured and sound. Re-move any un-cured cement, grease, and mould-release agents by high-pressure water blast, or wash with a strong solution of **Dulux Pre-Paint Sugar Soap**. Rinse off thoroughly with clean water and allow drying.
- If powdery, apply one coat **Dulux Bonding Liquid** or **Dulux Trade Bonding Liquid**. If sound and clean, apply direct to surface.

##### **Cement and Fibre Cement Roof Tiles**

- To remove dust, debris and chalky residue from cement roof tiles, wash the entire roof area using high-pressure washing, using a rotating nozzle at a pressure between 150 and 200 Bar. Alternatively, scrub the entire roof area with a bristle brush, using water from a garden hose.
- Old, weathered fibre cement is porous and may encourage the growth of fungus. Scrub these areas with either of the following solutions: 25% chlorine solution and water or 25% sodium hypochlorite and water solution. Rinse off thoroughly, removing residues of the cleaning solution, and at the same time cleaning off dust and debris from the roof.
- If powdery, apply one coat **Dulux Bonding Liquid** or **Dulux Trade Bonding Liquid**. If sound, clean and apply direct to surface.

##### **Mild Steel & Iron**

- Inspect shop-primer thoroughly for damage by installation. Abrade new surfaces lightly and remove rust, mill scale by sanding, scraping or with steel wire brushes back to sound mild steel and iron or sandblast to SA 2½.
- Ensure that the sanded areas are dry and free of grease and dust. A solvent wash (rags dipped in lacquer thinner) may be used. Change the rags frequently. Allow drying, OR clean with **Dulux Galvanised Iron Cleaner** according to technical data sheet.
- Prime immediately after preparation with two coats **Dulux Rustshield** or with one or two coats **Dulux Steel Primer** or **Dulux Trade Steel Primer** depending on the severity of the conditions. Two coats recommended for coastal conditions. Overcoat with **Dulux Waterproofing** within 48 hours.

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### SURFACE PREPARATION

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#### NEW SURFACES

##### **Galvanised Iron (new, un-weathered)**

- Remove all traces of temporary protective coating, dirt and grease from the surface with **Dulux Galvanised Iron Cleaner**. Ensure complete removal of **Dulux 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 **Dulux Rustshield** or with one full coat of **Dulux Galvanised Iron Primer** or **Dulux Trade Corrocote 1**, overcoat with **Dulux Waterproofing** within 48 hours.

##### **Galvanised Iron (unpainted, weathered)**

- Remove all loose rust and white scale by means of wire brushing, sanding, chipping, or mechanical scouring - down to bright metal. To remove dirt, salts and zinc corrosion (white rust) clean thoroughly with **Dulux Galvanised Iron Cleaner** achieving a water-break free surface.
- Areas showing red rust must be removed back to bright galvanised iron
- Prime immediately after preparation with two coats **Dulux Rustshield** or spot prime red rust prepared areas with **Dulux Trade Corrocote 1** or **Dulux Galvanised Iron Primer** followed by one full coat of the same primer, overcoat with **Dulux Waterproofing** within 48 hours.

##### **Galvanised Iron in aggressive/coastal conditions**

- Remove all loose rust and white scale by means of wire brushing, sanding, chipping, or mechanical scouring - down to bright metal. To remove dirt, salts and zinc corrosion (white rust) clean thoroughly with **Dulux Galvanised Iron Cleaner** achieving a water-break free surface.
- Areas showing red rust must be removed back to bright galvanised iron
- Prime immediately after preparation with two coats **Dulux Rustshield** or **Dulux Trade Corrocote 1** or **Dulux Galvanised Iron Primer**, overcoat with **Dulux Waterproofing** within 48 hours.

#### PREVIOUSLY PAINTED SURFACES

- All loose and flaking paint must be removed with a scraper.
- Mould instructions. To kill lichen and algae growth, scrub with one of the following solutions: either 4:1 water/chlorine, or 4:1 water/sodium hypochlorite. 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.
- Exposed surfaces must be treated as "new surfaces" above.

## DULUX WATERPROOFING

### FILLING

Fill all imperfections with the appropriate **Dulux Pre-Paint filler** and spot prime filled areas with **Dulux Bonding Liquid** or **Dulux Trade Bonding Liquid** once the crack filler has dried properly. Failure to do this will result in uneven sheen levels between the repaired and normal areas.

### HEALTH AND SAFETY INFORMATION

This product contains no added lead. Avoid contact with skin or eyes. Keep out of reach of children. If accidentally swallowed, seek medical advice immediately and show this container to the doctor. Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible.

If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used. Do not empty into drains or watercourses.

Ensure good ventilation during application and drying. It is recommended to use suitable protective clothing and equipment.

Do not apply to roofs that act as catchments for drinking water.

To avoid the risk of spillage, always store and transport containers in a secure upright position. Refer to Material Safety Data Sheet for complete information.

### ADDITIONAL INFORMATION

Packaging	5Lt
Storage Conditions	Store under cool dry conditions away from direct sunlight, heat and extreme cold.
Disclaimers	<p>Colour references are as accurate as modern printing will allow. Please refer to the in-store cards for an accurate representation of the colour.</p> <p>Among others, the following factors may affect final colour appearance: product sheen and texture, colour and light reflections, application, surface texture and preparation. For best colour and sheen consistency, it is advisable to use containers of the same batch number, to mix different batches together in a large container, or to finish in a corner before starting a new container.</p>

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### TDS STANDARD DISCLAIMER

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The recommendations contained herein are given in good faith and meant to guide the specifier or user in accordance with good painting practices. They are gained from our tests and experiences and are believed to be accurate and reliable. No warranty/guarantee is implied by the recommendations contained herein since the conditions of use; application method, substrate and cleanliness of the substrate are beyond Dulux control.

Important Note; 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 for reference. Dulux Technical Data Sheets are available on our website [www.dulux.co.za](http://www.dulux.co.za) or please contact: Dulux On-Line on 0860 330 111. Email [ZA.Helpline@akzonobel.com](mailto:ZA.Helpline@akzonobel.com)

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