

# POLYSHIELD PRIMER

STABILISING PRIMER TO FORM A SOUND SUBSTRATE

## PRIMER for substrates prior to POLYSHIELD 15 Reinforced Waterproofing System



### PERFORMANCE ADVANTAGES

- > Formulated to improve adhesion onto difficult substrates
- > Deep penetrating low viscosity primer
- > Used on friable/porous surfaces to bind the surface
- > Reduces coverage rates
- > Forms a sound substrate suitable for coating prior to Polyshield 15 Reinforced Waterproofing System



### USES

Ready for use on flat roofs, highly friable/Porous and difficult substrates e.g Weathered Asphalt and Bituminous Surfaces, Gutters, Concrete, Brickwork, Fibreglass and GRP, Felted Surfaces, Asbestos Cladding, Sheeting and Guttering, Old Lead, Previously Painted Surfaces\*.

- > OSB/Plywood and Wooden substrates
- > Weathered Single-Ply membranes including EPDM\*, PVC\*, HYPALON\*, TPO ROOF MEMBRANES\* and PLASTISOL COATED SUBSTRATES\*.

\*Adhesion/pull off test required.

- > Can be brush or roller applied.
- > **Not for use on Walkways, Balconies, tanking, fish and aquatic ponds, new lead, Single Ply Membranes - Plasticised PVC (Plastisol) gutters, slate or internal use.**

**DO NOT USE ON NEW BITUMINOUS PRIMERS/COATINGS OR SURFACES.**

- > Cannot be used as a topcoat

### COLOUR RANGE

- > Clear.

### PACK SIZE

- > 1L, 5L, 20L containers.

### PREPARATION OF SUBSTRATE

- > Ensure the substrate is free from old plant and debris
- > Cut all brick chases if required
- > The outlets and gutters must be free from obstruction  
*Do all your dirty work before cleaning!*

### CLEANING OF SUBSTRATE

- > Clean the surface with a powerwash of up to 2,000 psi, depending on the substrate.
- > If needed clean the area with Britannia Fungicidal Wash. This eliminates all moss/algae. The wash must be applied and left on the substrate for 7 days, then washed off prior to the application.
- > The substrate must be dried off using squeegees/rags. Gas guns should not be used.
- > Once the substrate is clean and dry you can then begin the application.

### REPAIRS TO SUBSTRATE

**Including splits, cracks, joints, seals and crazed areas.**

- > Repair faults in the surface by using a high quality waterproof mastic/filler.
- > Apply Polyshield Primer followed by Polyshield 15 Reinforced Waterproofing System to repaired areas incorporating Britannia Reinforcing Scrim overlapping by 5cm.



## PRIMING OF SUBSTRATE

**ALL ROOF SUBSTRATES REQUIRE PRIMING BEFORE OVERCOATING WITH POLYSHIELD 15 REINFORCED WATERPROOFING SYSTEM.**

See Primer Guide for the following substrates:

### Highly Porous/Friable Surfaces

Felted surfaces, concrete and asbestos cladding, sheeting and guttering should be primed with Britannia Polyshield Primer.

**Fibrous concrete corrugated sheeting: two coats of Britannia Polyshield Primer must always be applied to this substrate.**

### Concrete and Masonry

Prime with Britannia Polyshield Primer

### Weathered Asphalt and Bituminous Surfaces

Prime with Britannia Polyshield Primer.

*Note: discolouration can occur over Weathered Asphalt or Bituminous Surfaces. An extra coat may therefore be required for decorative purposes.*

**DO NOT USE ON NEW BITUMINOUS PRIMERS/COATINGS OR SURFACES.**

### OSB/Plywood and Wooden Substrates

OSB/Plywood, wooden substrates and insulation board must be treated with a 50mm wide strip of Britannia Tape (any other tape must be tested before use). A continuous surface should be created before commencing with the application of Britannia Polyshield Primer.

### Weathered Single-Ply Membranes\*

**EPDM, PVC, HYPALON, TPO ROOF MEMBRANES and PLASTISOL COATED SUBSTRATES**

See Priming Chart on next page.

**IT IS GOOD PRACTICE TO INSPECT AND CARRY OUT ADHESION TESTS ON THE SINGLE PLY MEMBRANES INCORPORATING PRIMER, DURASHIELD REINFORCED WATERPROOFING SYSTEM. BEFORE STARTING WORK PLEASE SEE THE SEPARATE ADHESION TEST DOCUMENT ON OUR WEBSITE.**

### Metal

All ferrous metals should be primed with Britannia Metal Primer (see separate technical data sheet).

### Lead

No primer required on old lead, sheet/valleys.  
**DO NOT USE ON NEW LEAD.**

### Aluminium, Copper and Galvanised Steel

These should be primed with Britannia 1 Pack Etching Primer (see separate technical data sheet).

### Fibreglass and GRP

Prime with Britannia Polyshield Primer.

### Previously Painted or Coated Substrates\*

Prime with Britannia Polyshield Primer.

**IT IS GOOD PRACTICE TO INSPECT AND CARRY OUT ADHESION TESTS ON ANY EXISTING COATING OR SUBSTRATE PRIOR TO APPLICATION OF THE COATING.**

\*Adhesion/pull off test required.

## APPLICATION OF PRIMER

- > **DO NOT THIN**
- > **Stir well before use as separation could occur.**

To the dry and cleaned surface, apply a generous coat of Britannia Polyshield Primer by brush or roller at the specified spreading rate as stated under the heading.

- > **The substrate and ambient temperature for the application of the system must be between 2°C and 35°C.**

**DO NOT APPLY** to frozen or damp surfaces.  
**DO NOT APPLY** in hot direct sunlight or coating may skin.

Work away from the area immediately being applied and toward a suitable escape access. Do not walk on newly coated surface whilst application is in progress.

## TYPICAL SPREADING RATES

	Minimum Primer/m <sup>2</sup>
<b>POROUS AND FRIABLE</b> Felted surfaces, Asbestos, Cement, Concrete, Weathered Asphalt and Bituminous Surfaces, Fibreglass and GRP	0.2 - 0.33 lt (equivalent to 3-5 m <sup>2</sup> /lt)
<b>OSB PLYWOOD AND WOODEN SURFACES</b>	0.2 - 0.33 lt (equivalent to 3-5 m <sup>2</sup> /lt)

After priming a check must be made for the presence of pinholes and missed areas which can be rectified by applying additional coating as necessary to produce a sound substrate prior to overcoating.

*Spreading rates may vary depending on type and condition of substrate, environment and so on. These examples are intended only as a guide.*

## DRYING TIME

Britannia Polyshield Primer will be dry under normal conditions in 2-4 hrs depending on humidity and temperature and can be overcoated when dry.

## WATER REPELLENCY

- > Rainfall immediately after application has no adverse effect.



# PRIMER GUIDE FOR POLYSHIELD 15 REINFORCED WATERPROOFING SYSTEM

Substrate	Britannia Polyshield Primer	Britannia Zinc Phosphate Metal Primer	Britannia 1 Pack Etching Primer	Britannia Universal QD Primer-Sealer
<b>POROUS AND FRIABLE</b>				
Felted Surfaces	✓			
Asbestos Cement	✓			
Concrete	✓			
Weathered Asphalt and Bituminous Surfaces	✓			
<b>OSB/PLYWOOD AND WOODEN SUBSTRATES</b>				
Timber Decks	✓			
Plywood	✓			
<b>METALS</b>				
Ferrous		✓		
Galvanised Metal			✓	
<b>NON-FERROUS METALS</b>				
Lead (not to be used on new lead)				
Aluminium			✓	
Copper			✓	
<b>SINGLE PLY MEMBRANES</b>				
EPDM*	✓			
PVC*				✓
HYPALON*				✓
TPO ROOF MEMBRANES*				✓
PLASTISOL COATED SUBSTRATES (not gutters)*				✓
<b>OTHERS</b>				
Fibreglass and GRP	✓			
Previously painted or coated substrates*	✓			

IT IS GOOD PRACTICE TO INSPECT AND CARRY OUT ADHESION TESTS INCORPORATING THE PRIMER AND POLYSHIELD. BEFORE STARTING WORK PLEASE SEE THE SEPARATE ADHESION TEST DOCUMENT ON OUR WEBSITE.

\*Adhesion/pull off test required.

## IMPORTANT

- > Britannia Polyshield Primer is not recommended for the treatment of fish or aquatic ponds or internal use.
- > Air conditioning vents should be sealed for a minimum of 24 hours during and after the application.
- > **MINIMUM FINISHED FALL:** when using this product it is important that a minimum finished fall of 1:80 is achieved, as stated in BS 6229.2003 (Code of Practice for the application of Liquid Applied Waterproofing Systems to flat roofs with continuously supported coverings).

## CLEANING

For cleaning equipment use White Spirit.

## SHELF LIFE

- > Up to 2 years if stored correctly in an unopened container.

## PRECAUTIONS

- > **Flammable** keep away from sources of ignition.
- > Ensure good ventilation during application.
- > Wear gloves, goggles and suitable protective clothing.
- > In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
- > Remove splashes from the skin with a recognised hand cleaner or plenty of soap and water.
- > Keep out of reach of children.
- > Do not use near fishponds.
- > Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environments.
- > Do not empty into drains.

## SAFETY

Good working practice should be followed and safety/walking boards should be utilised where required.

## VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests.  
Actual measured data may vary due to circumstances beyond our control.

## HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling, storage and disposal of chemical products, please refer to the most recent Material Safety data sheet.

## DISCLAIMER

The information, and, in particular, the recommendations relating to the application and end-use of Britannia's products, are given in good faith based on Britannia's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Britannia's recommendations.

In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Britannia reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data.

## FURTHER INFORMATION

**There is a Code of practice from LRWA-“Specification and use of Liquid Applied Waterproofing Systems” on [www.lrwa.org.uk](http://www.lrwa.org.uk) which can be consulted for general advice.**

If in doubt regarding any of the above points, please contact our technical services department for advice.

**A Material Safety Data Sheet is available on request.**

*It is the users responsibility to ensure that this data sheet is current prior to using the product.*



Certificate Number 8516  
ISO 9001



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