

# DURASHIELD

SMOOTH, cold applied rubber based waterproofing system for a longer lasting seamless coating

## A LONGER-LASTING, SEAMLESS FINISH

Just one coat over surfaces

### PERFORMANCE ADVANTAGES

- > NO PRIMER (except on porous/friable surfaces)
- > ONE COAT SYSTEM
- > REDUCED LABOUR COSTS
- > Flexible elastomeric system
- > One pack, no mixing
- > No wastage
- > Ten year life expectancy
- > British made for Quality



# 10

10 YEAR LIFE EXPECTANCY



*Developed specifically for single coat applications*

### TESTS

#### Approvals/Standards:

- > External fire performance; BS 476-Part 3:2004 EXT.F.AC.

### USES

Ready for use on Flat Roofs, Weathered Asphalt and Bituminous Surfaces, Concrete, Brickwork, Fibreglass and GRP, Weathered Plys, OSB/Plywood, Wooden Substrates and EPDM.

- > Can be brush or roller (solvent resistant) applied.
- > See Preparation and Application for further details.

Not for use on tanking, fishponds, new lead, plastisol coated substrates or internal use.

### COLOUR RANGE

- > Grey, Black and Solar Reflective White. Others colours to order.

### PACK SIZE

- > 5kg, 5 Litre, 15kg and 20 Litre containers.

### SPREADING RATE

- > Single coat: minimum of 1Kg/m<sup>2</sup> / 1 litre/m<sup>2</sup>
- > Built-up system (wet-on-wet): minimum of 1.5Kg/m<sup>2</sup> / 1.5 litre/m<sup>2</sup>

### DRYING TIME

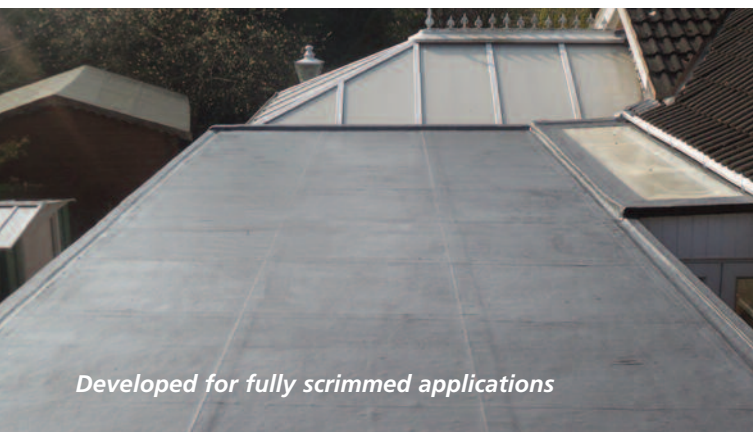
- > Up to 8 hours or overnight depending on temperature and conditions.
- > Full cure up to 7 days.

### WATER REPELLENCY

- > Rainfall immediately after application has no adverse effect.

### SHELF LIFE

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



*Developed for fully scrimmed applications*

## PREPARATION AND APPLICATION

Clear all areas of moss, lichen and debris by brushing or power washing and remove surface water and any contamination such as Oil or Grease and allow to dry. Apply Britannia Fungicidal Wash to prevent further fungal/algal growth.

- > **STIR WELL BEFORE USE.**
- > **DO NOT THIN.**

**MOST ROOFING SUBSTRATES TO BE TREATED WILL NOT NORMALLY REQUIRE PRIMING.**

To the dry and cleaned surface, apply a generous coat of Britannia Durashield Waterproof Roof Coating by brush or squeegee, at the minimum specified spreading rate as stated above under the heading.

Application Temperature should be between 5°C-25°C.

### Highly Porous/Friable Surfaces

Felted surfaces, fibrous cement corrugated cladding, sheeting and guttering should be primed with Britannia Durashield FD Primer.

**Fibrous cement corrugated sheeting: two coats of Durashield FD Primer must always be applied to this substrate.**

### Porous Concrete and Masonry

Prime with Britannia Durashield FD Primer

### Porous Weathered Asphalt and Bituminous Surfaces

Prime with Britannia Durashield FD 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 Durashield FD Primer and fully scrimmed with the built-up system (wet on wet).

### Weathered Single-Ply Membranes\*

#### PVC, HYPALON AND TPO ROOF MEMBRANES

See Priming Chart on page 3.

### 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).

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

**\*Adhesion/pull off test required**

### Splits, cracks, joints and seals, crazed areas

Pay particular attention to clean out any splits/cracks/joints and seals by scraping or brushing off with a stiff bristle brush before applying the Britannia Durashield Primer. Repair all faults in the surface by using a proprietary filler.

### Surface faults

Repair all faults in the surface with either Britannia's Reinforcing Scrim in the first of two coats or using a proprietary filler.

**In areas where excessive movement may occur, additional reinforcement must be incorporated into the coating.**

## SCRIM AVAILABILITY

- > 50mm x 50m, 100mm x 50m, 1m x 33m, 0.5m x 100m, 1m x 100m rolls of scrim available.

## SCRIM RECOMMENDATION

- > **Apply Reinforcing Scrim to all areas which can be ponded.**
- > **Reinforcing Scrim must be used on all upstands, curves, skylight bases and rainwater outlets.**
- > **Reinforcing Scrim to be used on all gutter expansion joints.**
- > **Reinforcing Scrim to be used on all repaired areas.**

### Fibrous corrugated concrete sheeting and skylight surrounds

- > Apply to both horizontal and vertical laps including around ALL fixings. Before starting, carefully tighten any fixings that may be loose.
- > When reinforcing the horizontal laps, ensure the reinforcement follows the profile of the sheet exactly, eliminating any possibility of air pockets being trapped under the reinforcement.
- > Any cracking within the sheets should also be reinforced.
- > Finish with an additional coat of Durashield over the scrimmed area.

## APPLICATION OF SCRIM

Reinforcing Scrim is embedded into the wet Durashield avoiding creasing. Adjacent lengths of the reinforcement must overlap by 75mm. Finish with one coat of Durashield.

## APPLICATION OF COATING

To the dry surface, apply a generous coat of Britannia Durashield 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.

# PRIMER GUIDE FOR DURASHIELD WATERPROOFING SYSTEM

Substrate	Britannia Durashield FD 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>				
PVC*				✓
HYPALON*				✓
TPO ROOF MEMBRANES*				✓
<b>OTHERS</b>				
Fibreglass and GRP	✓			
Previously painted or coated substrates*	✓			

For difficult substrates and technical advice, please contact us

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

\*Adhesion/pull off test required.

## IMPORTANT

- > Air conditioning vents should be sealed for a minimum of 24 hours during and after the application.
- > This coating is only valid for applications in the UK.
- > **MINIMUM FINISHED FALL: when using this product it is important that a minimum finished fall of 1:80 is achieved, as stated in BS 6229:2018 (Code of Practice for the application of Liquid Applied Waterproofing Systems to flat roofs with continuously supported coverings).**

## CLEANING

For all cleaning use White Spirit.

## PRECAUTIONS

- > **Flammable** keep away from sources of ignition.
- > Ensure good ventilation during application.
- > Over occupied premises during insulation of coatings we would advise keeping windows closed.
- > 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.

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

The specification and coverage rates are given in good faith and are based on our experience and knowledge but without liability.

*As Britannia Paints Limited has no direct control over the methods employed by the user in applying its products, any warranty either written or implied is given in good faith and can only cover the material itself.*

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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