

# DURASHIELD

## ALL IN ONE ROOF KIT

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

## A LONGER LASTING, FULLY BUILT UP SYSTEM

### PERFORMANCE ADVANTAGES

- > **WHEN OPENED CAN BE RESEALED AND USED AGAIN**
- > Easy To Use
- > Flexible Elastomeric System
- > One Pack, No Mixing
- > 10 Year Life Expectancy When Fully Built Up
- > British Made For Quality 

### TESTS

**Approvals/Standards:**

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

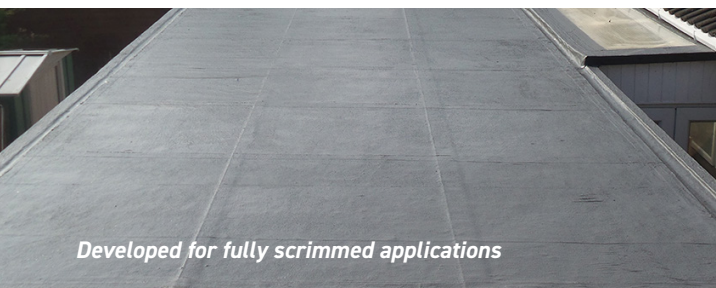
### USES

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

*For any other surface, contact the roofing merchant or manufacturer for further advice.*

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

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



*Developed for fully scrimmed applications*



### COLOUR RANGE

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

### BOX CONTAINS

- > Durashield Grey 20 Litres
- > Durashield Fast Drying Primer 5 Litres
- > Reinforcing Scrim (0.75m x 20m)
- > 15 Litre Scuttle
- > 2 Pairs of Nitrile Gloves
- > 3 x 12" Solvent Resistant Roller Sleeves
- > 12" Roller Frame
- > Extension Pole

### SPREADING RATES OF THE SYSTEM

- > Durashield FD Primer - 3-5m<sup>2</sup> / Litre
  - > For EPDM - 10m<sup>2</sup> / Litre
- > Durashield Base Coat - Minimum of 1 Litre/m<sup>2</sup>
- > Durashield Top Coat - Minimum of 0.5 Litre/m<sup>2</sup>

## DRYING TIME

### Durashield FD Primer, Durashield Basecoat and Topcoat

- > Up to 1.5 hours or overnight depending on temperature and conditions.
- > Full cure up to 7 days.

## WATER REPELLENCY

- > Light rainfall immediately after application has no adverse effect.

## SHELF LIFE

- > Up to 2 years from date of manufacture if stored correctly in an unopened container.

## PREPARATION AND PRIMING

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/algae growth.

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

**To the dry and cleaned surface**, apply a generous coat of Britannia Durashield FD Primer by brush or roller (solvent resistant), at the minimum specified spreading rate.

**The substrate and ambient temperature for the application of the system must be between 5°C – 30°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 boards must be primed with Britannia Durashield FD Primer and fully scrimmed with the built-up system.

### EPDM

Prime with Britannia FD Primer at 0.1 lt/m<sup>2</sup> (equivalent to 10m<sup>2</sup>/lt).

- > **EPDM MUST BE FULLY ADHERED TO THE SUBSTRATE PRIOR TO COATINGS BEING APPLIED. DO A TEST AREA FIRST OF ALL TO CHECK COMPATIBILITY.**

### 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 FD 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

### **Standard Rolls (width x length):**

- > 0.75m x 20m

## SCRIM RECOMENDATION

- > All reinforcing scrim must overlap by 50mm and avoid creasing.
- > The whole area including trims must be coated to form a continuous seamless membrane.

## APPLICATION OF COATINGS/SCRIM

- > After the Durashield FD Primer has dried.
- > Embed the reinforcing scrim into the wet Durashield basecoat applied at a rate of 1 litre/m<sup>2</sup>, whilst avoiding creasing.
- > Adjacent lengths of the reinforcement must overlap by 50mm.
- > Finish with a further coat of Durashield as a topcoat at a rate of 0.5 litre/m<sup>2</sup> ensuring that the reinforcement scrim is completely encapsulated.
- > The substrate and ambient temperature for the application of the system must be between 5°C – 30°C.
- > Final drying time is up to 1.5 hours or overnight depending on temperature and conditions.

**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.

## 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).**

# FAST DRYING PRIMER

FAST DRYING PRIMER FOR FRIABLE/POROUS SUBSTRATES PRIOR TO TOPCOAT

## PERFORMANCE ADVANTAGES

- > Stabilises highly friable/porous surfaces prior to application of Durashield topcoat
- > Easy to use
- > One pack, no mixing
- > No Wastage
- > Ensures Durashield topcoat delivers optimum waterproofing performance

Used for a wide range of substrates, the FD Primer helps to secure and stabilise highly friable/porous surfaces prior to the application of the Topcoat. Suitable Substrates: Felt, Asbestos Cement, Concrete, Weathered Asphalt, Bituminous Surfaces, Timber Decks, Plywood and EPDM.



# REINFORCING SCRIM

POLYESTER-BASED MESH

## PERFORMANCE ADVANTAGES

- > Full reinforcement for Reinforced Waterproofing System
- > Used as a reinforcement with Durashield for increased coating lifetime on weak areas and joints
- > A Polyester based reinforcing mesh
- > Easy to cut to size with scissors

Our Polyester based reinforcement scrim is high strength, light weight and extremely flexible. Using Durashield with the scrim will help increase the lifetime of the coating. Easy to cut and simple to apply, Britannia Reinforcement Scrim is suitable for use on most surfaces and can be used to reinforce weak points within the membrane or as a complete reinforcement layer.

Special attention should be paid to: fixings, cracks, splits, holes, ponded areas, laps, joints and details around any trims or roof lights.

OSB, Plywood, wooden substrates and insulation boards must be completely reinforced as part of a built up system. For further advice on part/full reinforcement regarding specific jobs, please contact Britannia Paints technical department.

# ROOF IN A BOX APPLICATION ADVICE

## STEP ONE

Ensure the substrate is clean, dry and free from any debris/contaminants.

## STEP TWO

Apply Durashield Fast Drying Primer at 3-5m<sup>2</sup>/Litre and allow to dry (1.5 hour dry time depending on temperature and conditions).

## STEP THREE

Prepare Britannia reinforcing scrim accordingly in line with scrim instructions.

## STEP FOUR

Stir the Durashield thoroughly.

## STEP FIVE

For all areas of reinforcement, apply Durashield at a minimum rate of 1 litre/m<sup>2</sup> as a base coat.

## STEP SIX

Embed the scrim into the wet base coat, fully saturating the scrim until the Durashield draws through, you will notice the scrim becomes grey.

## STEP SEVEN

When dry, apply a second coat of Durashield as a topcoat at a minimum rate of 0.5 litres/m<sup>2</sup> ensuring that the reinforcement scrim is completely encapsulated.

## STEP EIGHT

Instant waterproof protection. Drying time up to 8 hours or overnight depending on temperature and conditions.

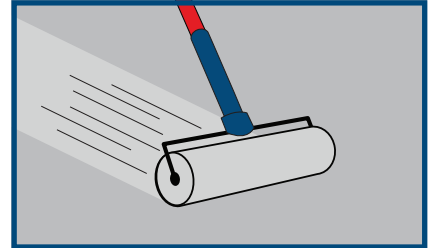
## STEP NINE

Full cure may take up to 7 days.

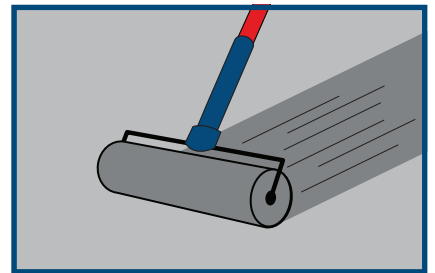
**\* Remember - All reinforcing scrim must overlap by 50mm and avoid creasing. The whole area including trims must be coated to form a continuous seamless membrane.**



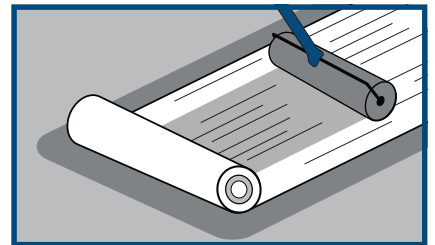
*Thoroughly clean surfaces*



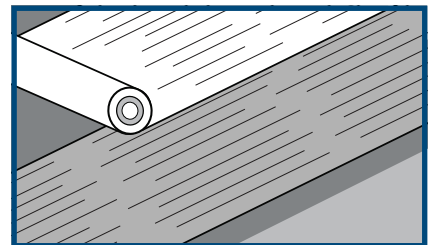
*Apply Primer*



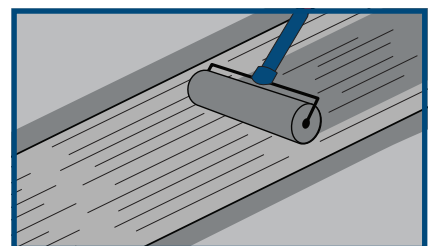
*Apply 1 coat of Durashield*



*Embed scrim*



*Overlap scrim by 50mm*



*Add 2nd coat of Durashield*

## 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.

## SAFETY

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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