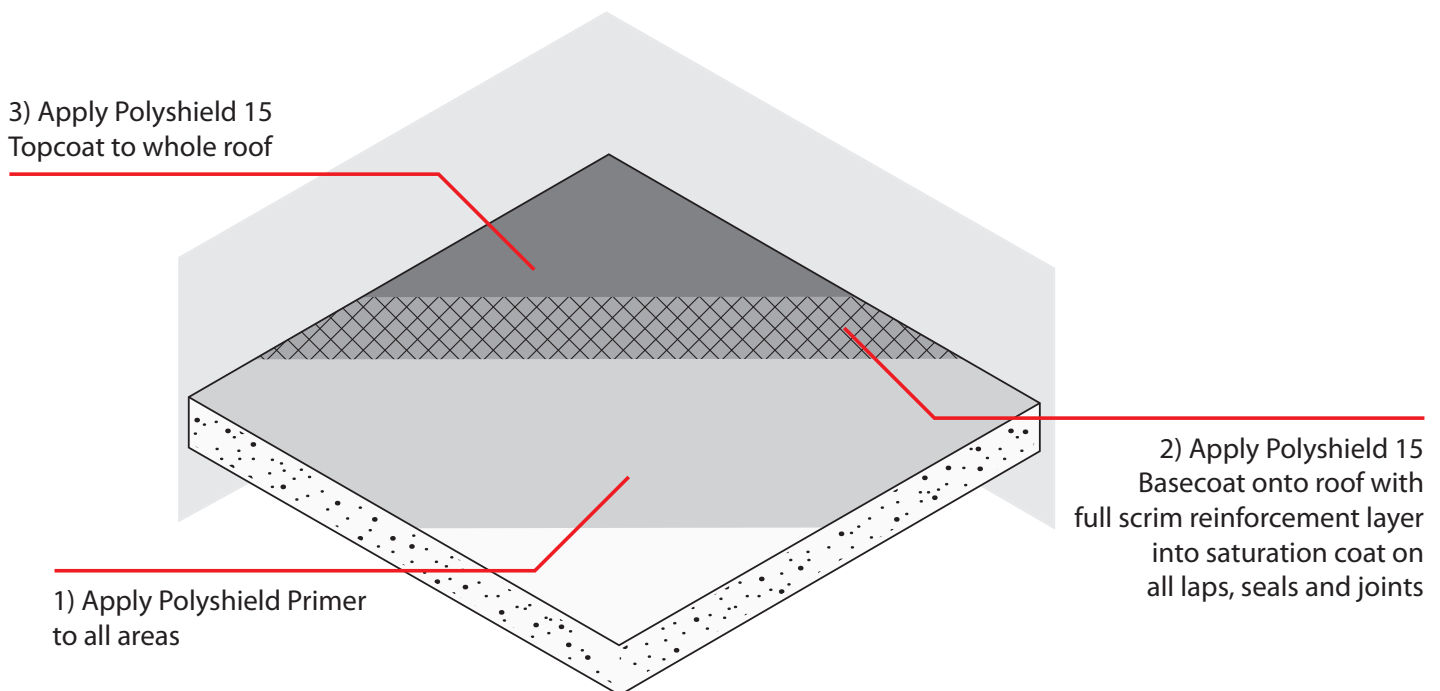


Polyshield 15 reinforced waterproofing system over Cured Concrete Decks



Preparation

A full inspection of the substrate needs to be made before any work commences. All relevant Health and Safety procedures should be undertaken at this stage.

New concrete should be cured for at least 28 days and should have a pull off strength 1.5 N/mm². Inspect the concrete, including upstands, all areas should be hammer tested. Concrete must be suitably finished, preferably by wood float or steel pan. A power float finish is acceptable where the surface is prepared to avoid laitance (a tamped finish is not acceptable). The surface finish must be uniform and free from defects such as laitance, voids or honeycombing. The substrate must be of a suitable quality and condition to receive the system. Please refer to our Technical Department for further details.

Substrate defects

Make good any defective areas such as major cracks and splits in substrate.

Air con units/protrusions

All air con units, satellite and electrical equipment to be switched off before work commences. Pipes to be protected. Lightning conductors to be lifted and returned on completion of coatings.

Outlets

Rainwater outlets to be checked and repaired if required.

Cappings

All perimeter edge details and cappings to be checked and repaired if necessary.



Cleaning

- > 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.

Priming

Britannia Polyshield Primer to be applied to all areas of the roof to be coated.

General installation

- > Installation must not be carried out during inclement weather (eg rain, fog or snow). When the temperature is below 5°C, suitable precautions against surface condensation on the substrate must be taken.
- > Substrates to which the system is to be applied must be sound, dry, clean and free from sharp projections such as nail heads and concrete nibs. Britannia's advice should be sought for suitable cleaning procedures and the use of a proprietary surface cleaner/fungicidal wash.
- > Previously coated areas must be checked for integrity and adequate adhesion to the substrate. Defects such as cracks and blisters must be repaired prior to application of the system in accordance with Britannia's instructions.
- > Adhesion checks should be carried out to ensure that the system is compatible with the existing surfaces and to determine the necessity for a primer.
- > Expansion or construction joints must be additionally reinforced prior to the application of the main waterproofing layer in accordance with Britannia's instructions.

Application Guidelines

To a dry and cleaned surface:

- > Polyshield 15 Basecoat is applied by brush or roller to the clean prepared and primed substrate at a minimum of 1 litre per square metre.
- > Polyshield Reinforcing Scrim (100gm²) is embedded into the wet Polyshield 15 Basecoat avoiding creasing. Adjacent lengths of the reinforcement must overlap by a minimum of 75mm ensuring that there is sufficient coating to fully encapsulate the lap.

- > Polyshield 15 Topcoat is then applied by brush or roller over the dry, clean Polyshield 15 reinforced Basecoat at a minimum of 0.75 litres per square metre.
- > At each stage a check must be made for the presence of pinholes and missed areas, which can be rectified by applying additional coating as necessary.
- > The substrate and ambient temperature for the application of the system must be between 2°C and 35°C.
- > Do not apply in frozen or wet conditions.

Drying time

PRIMER

Britannia Polyshield Primer can take up to 1 day to cure but can be over coated when dry.

POLYSHIELD 15 BASECOAT

- > Surfaces must be COMPLETELY DRY prior to application of Polyshield 15 Basecoat.
- > Up to 8 hours or overnight depending on temperature and conditions.

POLYSHIELD 15 TOPCOAT

- > Surfaces must be COMPLETELY DRY prior to application of Polyshield 15 Topcoat.
- > Up to 8 hours or overnight depending on temperature and conditions.
- > Full cure: up to 7 days.
- > The product may remain slightly soft for a further period depending on climatic conditions, this is not detrimental to the waterproofing qualities of the product.

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.
- > Some discolouration of base coat may occur due to substrate.

Further Information

There is a Code of practice from LRWA-“Specification and use of Liquid Applied Waterproofing Systems” on 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.



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