



DeckProof Flooring System
Concrete Specification



Concrete Specification

Please note all DeckProof materials cure within 20 minutes so only mix material for an area that can be covered within this time. Please consult the mixing section of this specification before application.

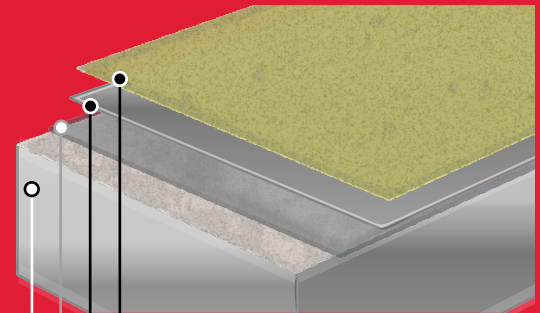
Preparation:

Prior to commencing the existing surface should be thoroughly cleaned down to remove all dirt, dust or other contaminants especially when coating existing decking. It is the contractors responsibility to determine the preferred method of cleaning. The main criteria are to provide a clean, dry surface to ensure the materials can key to the surface.

DeckProof Primer On completion of the cleaning proceed to coating the whole of the roof area and upstands with DeckProof Primer. Primer can be applied at a rate of 3-4 sq/m per KG using a brush or smooth lambswool rollers. Please note if only using an anti-skid layer detailing of upstands may not be necessary

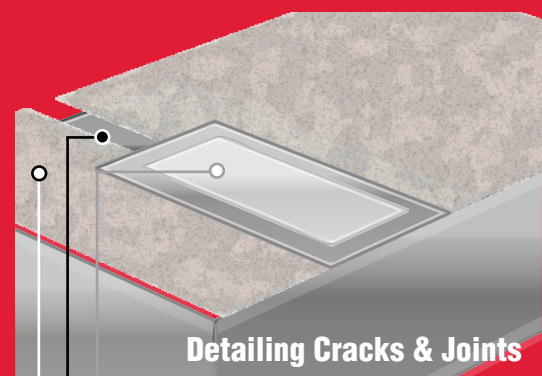
Areas of standing water In accordance with good roofing practice areas of standing water should be avoided. Self-levelling kits can be applied to such areas. DeckProof Self leveller kits are available with a curing time of approx. 20 minutes.

Cracks in the existing surface should be repaired using DeckProof Detailing Primer and Joint Tape. Larger cracks should be filled with DeckProof Crack and Joint Filler.



DeckProof System

- **Substrate**
Cleaned surface ready to accept Primer.
- **Primer**
Primer is used to seal the surface and provide extra adhesion.
- **DeckProof System**
DeckProof Waterproof Anti-Skid System 2mm thickness in total. (1mm Waterproof, 1mm Anti-Skid)



Detailing Cracks & Joints

- **Substrate**
Cleaned surface pre coated in DeckProof Primer.
- **Detailing Primer**
Coating of Detailing Primer to surface. Larger joints/cracks to be filled with Crack and Joint Filler.
- **Joint Tape**
Joint tape embedded into Detailing Primer.

Preparation:

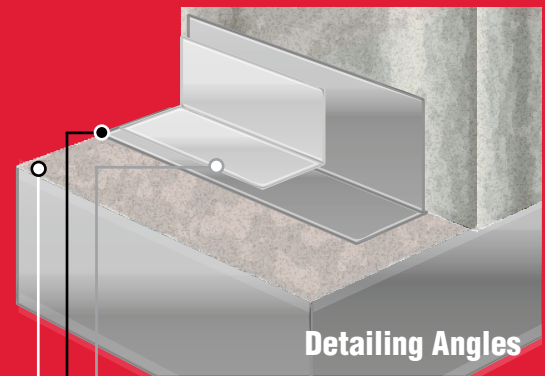
Applying DeckProof Detailing Primer and Joint Tape to upstands, cracks etc that require strengthening

Apply a liberal coat of Detailing Primer to the areas concerned. Pre-cut the Joint Tape to size and bed into the wet Detailing Primer (i.e. within 10 minutes). Using a clean brush smooth the Joint Tape out forcing the Detailing Primer through the Joint Tape. Apply extra Detailing Primer as required to fully coat the Joint Tape, spread any surplus Detailing Primer onto the next upstands to be coated. Try to avoid creating creases or blisters in the Joint Tape. Please ensure when using Joint Tape to completely saturate it with the Detailing Primer to ensure maximum adhesion and a smooth finish.

Where the membrane is required to be dressed into a mortar course it should be raked out and re-pointed with Joint and Crack Filler. When applying the DeckProof onto brickwork without dressing into the mortar course the membrane should be finished in the middle of the brick course.

Existing repairs loose or unstable repairs to be removed and new repairs carried out using Joint Tape embedded into Detailing Primer as described above.

Outlets inspect the drain ware and outlets to ensure the free flow of waste water. Remove any covers or gratings, apply Joint Tape embedded into Detailing Primer as described above as far into the outlet as possible.



Substrate/Wall

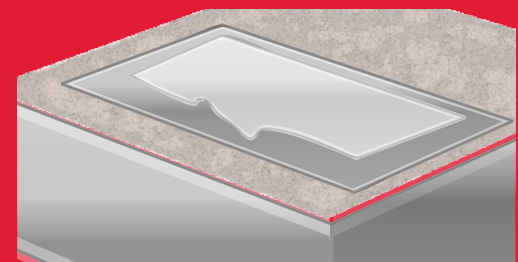
Cleaned surface pre coated in DeckProof Primer.

Detailing Primer

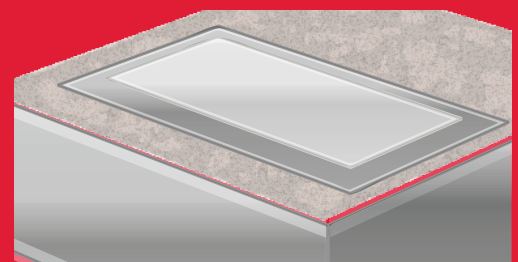
Coating of Detailing Primer to wall and surface.

Joint Tape

Joint tape embedded into Detailing Primer.

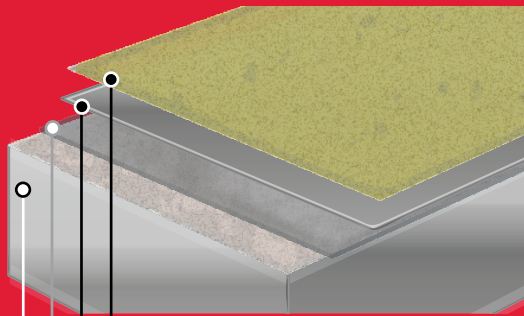


Please ensure that when applying Joint Tape that it is completely flat and free of gaps or fish mouths.



The perfect finish for Joint Tape

leaves it flat to the surface and free of gaps fully embedded into the Detailing Primer below.



Waterproof Anti-Skid

- **Substrate**
Cleaned surface ready to accept Primer.
- **Primer**
Primer is used to seal the surface and provide extra adhesion.
- **DeckProof System**
DeckProof Waterproof Anti-Skid System 2mm thickness in total. (1mm Waterproof, 1mm Anti-Skid)

Detailing Please leave 1 hour for detailing to be fully cured before application of main membrane.

Coverage Rate

Please note that on uneven or heavily degraded surfaces more product may be necessary.

Application: Waterproof Anti-Skid

DeckProof Waterproof Anti-Skid is a two coat application applied by brush or roller. All DeckProof products have a workable time of up to 20 minutes so please ensure you mix only enough product that can cover an area within this time. Please consult the mixing section of this specification before application.

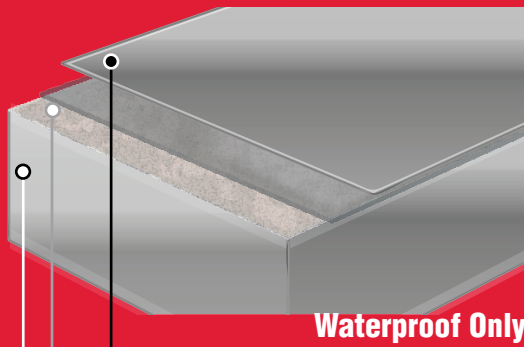
DeckProof Waterproof is the first layer in the system and provides the waterproofing element. Apply at a rate of 1KG per sq/m to all areas covered with DeckProof Primer that require waterproofing (i.e. upstands, outlets) using a brush or roller. Please allow 1 hour before applying Anti-Skid layer.

DeckProof Anti-Skid is the second layer in the system and provides the anti-skid element. Apply at a rate of 1KG per sq/m to all horizontal surfaces requiring an anti-skid finish using a brush or roller. This surface will be trafficable within 1 hour.

Note. Please ensure when applying Anti-Skid to maintain an average thickness of 1mm to ensure the aggregate is not fully submerged in the liquid membrane it is in.

Coats	Product	Thickness	Coverage*
1	Primer	Varies	4sq/m = 1kg
2	DeckProof Waterproof	1mm	1sq/m = 1kg
3	DeckProof Anti-Skid	1mm	1sq/m = 1kg

*coverage rates may vary depending on surface



Waterproof Only

- **Substrate**
Cleaned surface ready to accept Primer.
- **Primer**
Primer is used to seal the surface and provide extra adhesion.
- **DeckProof Waterproof**
DeckProof Waterproof applied in 2 x 0.5mm coats.

Application: Waterproof Only

DeckProof Waterproof Only is a two coat application applied by brush or roller. All DeckProof products have a workable time of up to 20 minutes so please ensure you mix only enough product that can cover an area within this time. Please consult the mixing section of this specification before application.

DeckProof Waterproof is the only layer required in this system after priming and provides the waterproofing element. Apply at a rate of 0.5KG per sq/m in two coats to all areas covered with DeckProof Primer that require waterproofing (i.e.upstands, outlets) using a brush or roller. Please ensure to leave 1 hour between coats of DeckProof Waterproof.

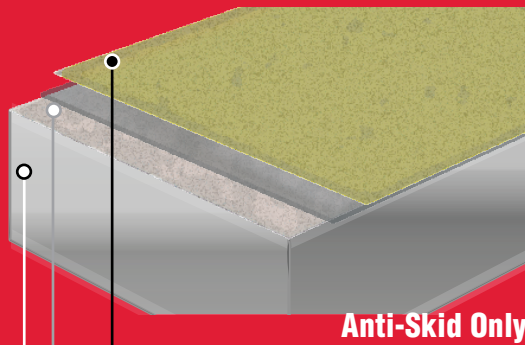
Coats	Product	Thickness	Coverage
1	Primer	Varies	4sq/m = 1kg
2	DeckProof Waterproof	0.5mm	1sq/m = 0.5kg
3	DeckProof Waterproof	0.5mm	1sq/m = 0.5kg

*coverage rates may vary depending on surface

Detailing Please leave 1 hour for detailing to be fully cured before application of main membrane.

Coverage Rate

Please note that on uneven or heavily degraded surfaces more product may be necessary.



Anti-Skid Only

- **Substrate**
Cleaned surface ready to accept Primer.
- **Primer**
Primer is used to seal the surface and provide extra adhesion.
- **DeckProof Anti-Skid**
DeckProof Anti-Skid applied in 1 x 1mm coat.

Detailing Please leave 1 hour for detailing to be fully cured before application of main membrane.

Coverage Rate

Please note that on uneven or heavily degraded surfaces more product may be necessary.

Application: Anti-Skid Only

DeckProof Anti-Skid Only is a single coat application applied by brush or roller. All DeckProof products have a workable time of 20 minutes so please ensure you mix only enough product that can cover an area within this time. Please consult the mixing section of the specification before application.

DeckProof Anti-Skid is the only layer required in the system after priming and provides the anti-skid element. Apply at a rate of 1KG per sq/m in one coat to all horizontal surfaces requiring an anti-skid finish using a brush or roller. This surface will be trafficable within 1 hour. Any vertical surfaces requiring detailing should be done so with DeckProof Waterproof.

Note. Please ensure when applying Anti-Skid to maintain an average thickness of 1mm to ensure the aggregate is not fully submerged in the membrane.

Coats	Product	Thickness	Coverage*
1	Primer	Varies	4sq/m = 1kg
2	DeckProof Anti-Skid	1mm	1sq/m = 1kg

*coverage rates may vary depending on surface

Mixing Guide:

Components

Part A Base Product: Primer, DeckProof Waterproof, DeckProof Anti-Skid.

Part B Catalyst: White powder, that starts the curing process for all the products in the range.

Mixing

DeckProof Primer has two components a Part A and a Part B. Preferably mixed together using a paddle mixer attached to a drill set at low speed. Once mixed they have a workable life of up to 20 minutes in which to apply the product. Primer has a coverage rate of 3-4 Sq/M per KG.

DeckProof Waterproof has two components a Part A and a Part B. Preferably mixed together using a paddle mixer attached to a drill set at low speed. Once mixed it has a workable life of up to 20 minutes in which to apply the product. DeckProof Waterproof has a coverage rate of 1 Sq/M per KG. Applied in 2 x 0.5mm coats.

DeckProof Anti-Skid has two components a Part A and a Part B. Preferably mixed together using a paddle mixer attached to a drill set at low speed. Once mixed it has a workable life of up to 20 minutes in which to apply the product. DeckProof Anti-Skid has a coverage rate of 1 Sq/M per KG Applied in a single coat of 1mm.

Important Notice

Before proceeding with mixing and application please read the notes below.

1. All DeckProof products have a working time of up to 20 minutes (see pot life) so only mix enough product for the area that you can cover within this time. This can be achieved by decanting into another container the amount required, and by adding Part B proportionately to the amount decanted.

2. Once catalysed (i.e. Part A added to Part B) it is essential that the product is poured onto the surface to be covered, if left in the tin the curing time will rapidly accelerate due to build-up of heat.

Mix Ratio The mix ratio of catalyst to base product is fairly tolerant to variations within the ranges of 2-5% addition of catalyst, part packs may be used if care is exercised.

Please note more product may be required on uneven or heavily degraded surfaces.

Limitations DeckProof should not be applied when the ambient temperature is below 5°C. Do not apply to wet, damp or frozen surfaces or directly prior to rain.

Caution Avoid naked flames, Keep out of reach of children. Store between 10°C - 20°C, out of direct sunlight. Please consult data sheets before using DeckProof.

Additional Information:

Handling Keep containers upright and tightly closed when not in use and keep from freezing.

Pot Life DeckProof has a working life of up to 20 minutes depending on atmospheric conditions:

Pot life @ 20°C: 15 Minutes

Pot life @ 10°C: 20 minutes

Curing

Light Foot Traffic: 1 hour @ 20°C

Vehicular Traffic: 2 Hours @ 20°C

Full chemical resistance: 24 hours @ 20°C

Available Colours

Grey RAL 7001(Silver Grey)

Blue RAL 5015(Sky Blue)

Green RAL 6002(Leaf Green)

Red Red Oxide.

Black Black Oxide

Yellow

White

Other colours available on request (dependant on volume)

Shelf Life DeckProof has a shelf life of six months when stored in original unopened containers.



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Things to be aware of when applying to concrete:

Concrete when new continues to emit or absorb water vapour, often, even when it appears to be dry.

Liquid Rubber Systems when applied will create a vapour barrier preventing vapour emission, causing an accumulation of water vapour pressure.

For these reasons we recommend the following when applying DeckProof to new concrete –

- Leave the new concrete for as long as possible before applying the membrane, ideally over 28 days to ensure it is completely cured.
- Check the surface is dry and free from moisture.
- Ensure the surface is completely free of dust or dirt before application of primer.

For any more information please don't hesitate to contact our Technical Help desk.

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