

REV: 3 – 03/06/2016

RapidRoof -
Waterproof
Specification



RapidRoof - Waterproof Specification

Contents

1. Preparation
 2. Detailing
 3. Application: Waterproof Only
 4. Mixing Guide
 5. Additional Information
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RapidRoof - Waterproof Specification

Note all RapidRoof materials cure within 20 minutes. We suggest to only use enough material that can be comfortably applied within 15 minutes of mixing. Please consult the mixing section of this specification before application.

1. Preparation

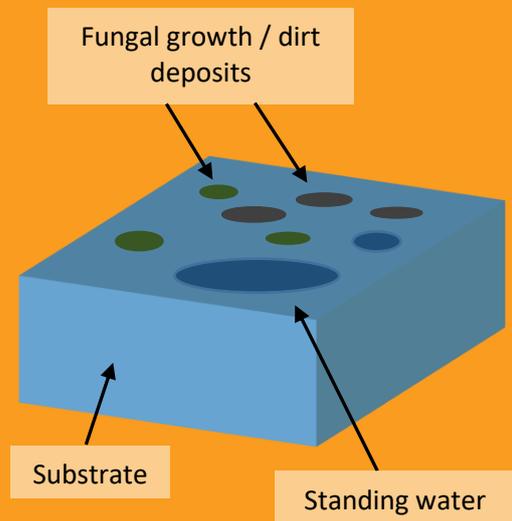
Prior to application, the existing surface should be thoroughly cleaned to remove all dirt, fungal growth, loose solar coverings, dust etc. Power washing the surface is usually the preferred method of cleaning, however, it is the contractor's responsibility to determine the best method of cleaning for each application. The main pre requisite is to ensure the materials can successfully bond to the surface.

Areas of standing water; in accordance with good working practice, areas of standing water should be levelled out before applying any waterproofing membrane. RapidRoof Ponding Filler can be used to bring such areas level with the rest of the deck.

RapidRoof Ponding Filler is available in kit form and cures within 30 minutes.

Cracks in the existing surface; larger cracks should be filled with RapidRoof Crack and Joint Filler. Smaller hairline cracks should be repaired using RapidRoof Detailing Primer and Joint Tape.

Existing blisters within substrate; should be cut, opened up and cleaned out. Pre-cut the Joint Tape to size, cover the area with Detailing Primer to adhere the affected area to the roof. Soak the Joint Tape until translucent and allow to cure for a minimum of 30 minutes.



RapidRoof - Waterproof Specification

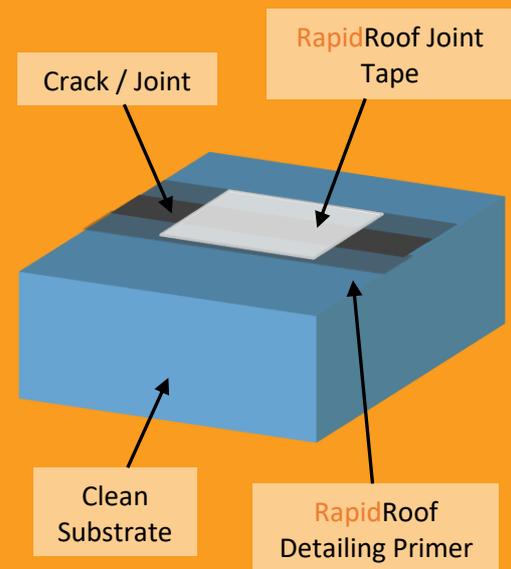
2. Detailing

Applying RapidRoof Detailing Primer; all vulnerable areas including changes of angle, changes of substrate, cracks/joints, protrusions, outlets, gullies etc. are to be detailed by embedding RapidRoof Joint Tape into RapidRoof Detailing Primer. Ensure the tape is worked into the primer, keep completely free from trapped air which can cause creases, fish mouths and in turn an unsatisfactory bond to the surface. This is to bring extra strength to vulnerable areas and eliminate all potential weak points in the surface. Please note RapidRoof can only be applied to a completely dry surface.

When applying RapidRoof onto brickwork without dressing into the mortar course, the membrane should be terminated half way up 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 outlined above.

Outlets; inspect free flow of waste water through the outlets. Remove any covers or gratings, apply Joint Tape embedded into Detailing Primer as outlined above, as far into the outlet as possible.



RapidRoof - Waterproof Specification

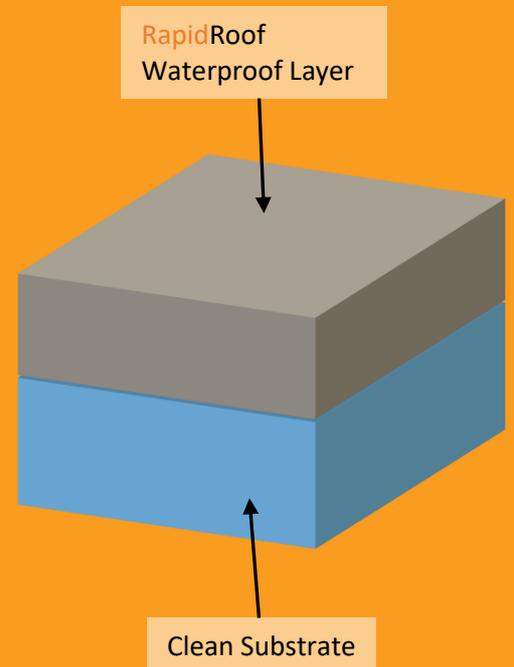
3. Application: Waterproof

RapidRoof Waterproof; once all vulnerable/potential weak points have been detailed and allowed to cure for a minimum of 30 minutes, the areas which require a waterproof finish should be coated with RapidRoof Waterproof. RapidRoof Waterproof should be applied in two layers at 0.75kg/m²* then allowed to cure for a minimum of 30 minutes.

Waterproof Coverage;

Two coats of RapidRoof Waterproof applied @ 0.75kg/m²*

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



***Coverage rates may vary depending on surface**

RapidRoof - Waterproof Specification

4. Mixing Guide

Components

Part A – Detailing Primer/Waterproof

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

RapidRoof Detailing Primer/Waterproof; Part A is the liquid product with Part B the powder catalyst activator. Ensure That Part A and Part B are mixed together thoroughly using a paddle mixer and drill. Once mixed it has a workable life of up to 15 minutes, however this will be fully cured in 20 minutes. We advise once mixing the product to pour out onto the surface and refrain from keeping the product in the mixing tub.

Important Notice

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

1. All **RapidRoof** products have a working life of up to 15 minutes (see pot life below) only mix enough product for the area that you can cover within this time.
2. Once catalyzed (i.e. Part A added to Part B and mixed thoroughly) 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 meaning the workability of the product is greatly reduced.

Mix Ratio

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

***Uneven/degraded surfaces may require more product**

RapidRoof - Waterproof Specification

6. Additional Information

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

Shelf Life; RapidRoof has a shelf life of twelve months when stored in original unopened containers. Once opened if kept sealed the shelf life is 6 months.

Pot Life; RapidRoof has a working life of up to 15 minutes depending on atmospheric conditions:
20°C - 10 Minutes / 10°C - 15 Minutes

Curing Times

Light Foot Traffic: 20°C - 1 hour

Traffic: 20°C - 2 hour

Full chemical resistance: 20°C - 24 hours

Available Colours

Standard Grey RAL - 7031

*Other colours available on request (dependant on volume)

Limitations; RapidRoof should not be applied when the ambient temperature is below 0°C. Do not apply to wet, damp or frozen surfaces or directly prior to rain.

Caution Avoid naked flames whilst in liquid form or curing. Keep out of reach of children. Store in a cool, dry place between 10-20°C and out of direct sunlight. Please consult data sheets before using RapidRoof.

**LRS Seamless
Waterproofing
Systems**

Prees Green
Shropshire
SY13 2BN

Technical Support:

01948 841877

Fax: 01948 841854

www.rapidroof.co.uk