



ROOF SEAL

LIQUID MEMBRANE

Hybrid Waterproof Liquid Roof Membrane

Technical Data Sheet



ROOF SEAL RANGE

Description:

A highly reflective, liquid applied coating for professional roofing applications. The system gives the ultimate alternative to bitumen based and GRP waterproofing roof membranes for all existing roof substrates. Based on hybrid technology, Roof Seal has high elasticity, even under climatic weather variations. It does not harden under cold conditions and has very high stability to temperature variations (from -50°C to +120°C).

Features & Benefits:

- ◆ **Permanently flexible membrane; up to 25 years lifespan**
- ◆ **Solvent-free and non-flammable**
- ◆ **Energy Efficient; reflects heat in summer**
- ◆ **Rain safe in under 1 hour**
- ◆ **No specialist training required**
- ◆ **Breathable**
- ◆ **Adheres to all common building substrates**
- ◆ **All weather application**
- ◆ **Withstands chemical attack.**

Uses

For building and roofing surfaces, such as metal, treated and untreated wood, brick, stone, polyester, glass, lead, roof tiles, plastics, polycarbonate, concrete, without heating or bonding.

Ideal for repairing flat roofs, pitch roofs (less than 10°), leaking flashing, guttering, ventilation ducts and roof lights and cracked roofing panels, chimney stacks, corrugated or plate roofing materials, zinc, steel, fibre-cement and facade panels.

Creates an impermeable seal to repel water damage and provide resistance to degradation from natural weathering like rain, snow and sunlight.

Limitations

- Do not use when substrate temperatures of less than +5°C are expected in the next 24 hours (unless using in conjunction with Roof Seal Accelerator).
- Not suitable for use on low surface energy plastics such as PE, PP and PTFE.
- Do not use directly on surfaces that bleed oils or plasticisers, nor on bitumen or roof felts without priming. Blistering can occur when applied onto damp substrates that are not able to dry out from underneath. If the minimum thickness is not achieved, cracks and structural failure in the coating may occur.
- Only walk on roof surfaces restored with Roof Seal for maintenance purposes as this is not a wearing surface nor anti-slip. Small chip aggregate can be added to the coating to provide limited slip resistance if the area will be subject to light and occasional foot traffic.

- Not recommended for areas where there is low atmospheric moisture present as product will not cure.

Surface Preparation

Protect any surfaces not requiring application using masking tape or protection film. Surfaces must be clean, free from any oil, grease, dust, debris, loosely bound coatings or any other contaminants that may affect adhesion. New concrete and mortars must be at least 28 days old.

Any organic growth should be treated with Bond It Mould Stop or equivalent. If there is standing water, brush this away and allow to dry prior to application. Once fully cured the membrane is resistant to temporary water ponding, however adequate drainage is required to ensure that no permanent ponding can occur. All joints must be covered with the Roof Seal Reinforcing Mat to offer stability and reinforcement before Roof Seal is applied. Ensure all cracks greater than 2mm are pre-filled with Roof Seal Cracks and Edging followed by applying Roof Seal across the joint area to 1mm followed with a strip of the Roof Seal Reinforcing Mat gently pushed into the uncured coating; allow to cure fully.



For application on bituminous surfaces, asphalt, roofing felt or EPDM, the surface must be primed using Roof Seal Bleed Blocker to minimum 0.5mm thickness. If bitumen, asphalt, roof felts or EPDM are not properly primed before application of this product, failure WILL occur. Other surfaces may also be primed similarly, if desired. Avoid other primers as they are not formulated for the Roof Seal range!

Application

Remove all surplus packaging. Stir thoroughly before use, avoiding too much air into the material, and begin application immediately. Do not dilute. Apply product to the surface with a brush (longer bristle brushes are recommended on rough substrates), short pile roller, trowel, spatula, squeegee or industrial spray equipment.

The coating should be evenly applied to the prepared surface to achieve a total overall application thickness at 2mm in a single coat. Additional coats are not required.

It is recommended the coating is extended beyond the substrate to create a self-terminating flashing or use Roof Seal Cracks & Edging to seal edges.

Take care when conditions are windy and using spray method in particular, avoid contact with substrates not requiring coating. Product can be removed before it cures by acetone, Bond It White Spirit or Bond It Multi-Wipes if unwanted contact is made to surfaces.

Drying Times

Tack free after approximately 2 hours after application (@+23°C and a relative humidity of 50%). It is capable of resisting heavy rain 3 hours after application. After application the surface should be subjected to as little traffic as possible. Area should not be fully trafficked for at least 72 hours to preserve integrity of coating. Damage to the roof by other trades will not be the responsibility of Bond It.

Maintenance

We recommend the Membrane, once applied, is inspected annually to check for any damage that may have been caused by adverse weather conditions or general degradation and maintained or repaired accordingly to ensure optimum protection. The surface should also be cleaned at least once a year using a low-pressure jet wash and a mild detergent solution to extend its lifespan.

Cleaning

Clean tools using acetone, MEK or Bond It WHITE SPIRIT. Trowels and squeegees can be easily wiped clean with the aid of Bond It MULTI-WIPES. Cured material can only be removed mechanically with a spatula or similar tool.

Size

2.5L, 5L and 20L.

Colour

Grey and black. Other colours are available to special request but will be subject to a minimum order quantity. Please request details.

Storage Conditions

Shelf life is 36 months from its date of manufacture when stored at a temperature between +5°C and +30°C in its original unopened packaging. Once opened this product will begin to cure and is recommended that the full tub is used to avoid it skinning over.

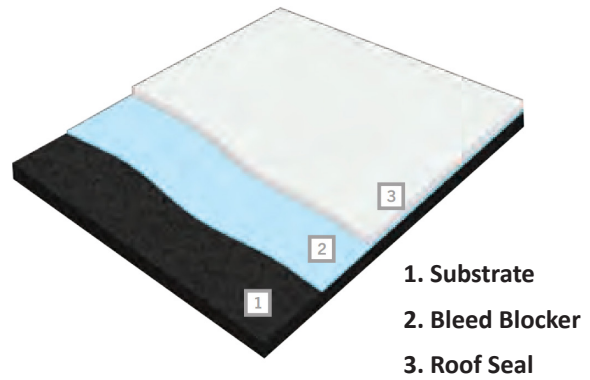
Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any containers to a central disposal point in accordance with local regulations.

Health & Safety

Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice on 01422 315362.

Note: this information is for general guidance only, since site conditions and labour are beyond our control.



Specification Summary

Cure Speed	1mm thickness in 12 hours
Shore A Hardness	40+/-4
Shrinkage	Nil
UV Resistance	Excellent
Skin Time	Approx 20 minutes
Application Temperature	+5 to +25°C
Service Temperature	-30 to +95°C
Tensile Strength - 4.5mm thickness	1.49N/mm ²
Tensile Strength with Reinforcing Mat	2.35N/mm ²
Commodity Code	3208909100

Product / Order Details

Code	Colour	Size	Barcode	UFI
BDSIR2GR	Grey	2.5L	5056437401748	HS90-10CR-S00J-GW00
BDSIR5GR	Grey	5L	5056437401113	HS90-10CR-S00J-GW00
BDSIR20GR	Grey	20L	5056437401137	HS90-10CR-S00J-GW00
BDSIR20BL	Black	20L	5056437402073	HS90-10CR-S00J-GW00
BDSIR5BL	Black	5L	5056437402066	HS90-10CR-S00J-GW00

Available in white and tan to special order.



Scan to see Roof Seal application video

Note: The data presented in this leaflet is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.



Part of the Seal It One Coat Roof Seal Range

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