

# BUILDING PRODUCT INFORMATION SHEET

## Sika BlackSeal Plus (NZ)

### Liquid applied bitumen waterproofing membrane

#### DESCRIPTION

Sika BlackSeal Plus (NZ) is a bitumen based below ground waterproofing membrane.

#### USES

Sika BlackSeal Plus (NZ) has been formulated for use as a water-proof membrane behind retaining walls and as a damp-proof membrane for buried faces of basement structures. Sika BlackSeal Plus (NZ) will cover concrete, concrete block, brickwork and wood.

#### FEATURES

- Sika BlackSeal Plus (NZ) has been tested by BRANZ; Sika BlackSeal Plus (NZ) exceeds the vapour flow resistance level requirements for a water vapour barrier as per E2/AS1 - Table 23. (Report No.: DC1454#1, Issued: 9 May 2007, Review date: Indefinite.)
- Fast cure

- Simple to apply by brush, roller or spray
- Excellent adhesion to concrete, masonry, etc.
- Low water permeability
- Can be applied to green concrete
- Resistant to sulphates and ground salts

#### APPROVALS / CERTIFICATES

Meets moisture vapour permeability requirements of NZS 3604:2011.

#### PRODUCT INFORMATION

|                              |  |
|------------------------------|--|
| <b>Product identifier</b>    | Sika BlackSeal Plus (NZ)   |
| <b>Place of manufacture</b>  | Aotearoa New Zealand   |
| <b>Packaging</b>             | 4 litre and 20 litre pails   |
| <b>Shelf life</b>            | Twelve (12) months when stored as stated.                                    |
| <b>Storage conditions</b>    | Store in original containers in a dry place below +35°C and away from frost. |
| <b>Colour</b>                | Black  |
| <b>Density</b>               | 1.00 kg/l  |
| <b>Solid content by mass</b> | 60%  |

#### APPLICATION INFORMATION

|                                |  |
|--------------------------------|--|
| <b>Consumption</b>             | Minimum total application rate is 1litre per m <sup>2</sup> (in addition to the primer coat). Ideally this should be applied as two full undiluted coats at a coverage rate of approximately 2m <sup>2</sup> / litre / coat, depending on the nature of the surface being treated. |
| <b>Ambient air temperature</b> | +5°C to +50°C  |
| <b>Curing time</b>             | Allow each coat to dry 12-24 hours before recoating.   |

**Drying time**

4 to 6 hours at +20°C. (12-24 hours should be left between coatings.)

**MANUFACTURER AND IMPORTER INFORMATION****Manufacturer information**

Address

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Phone number

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Website

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NZBN

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**BUILDING CODE INFORMATION****Building Code clauses**

B2 Durability: Performance clause B2.3.1-(a) not less than 50 years

E2 External Moisture: Performance clause E2.3.3

F2 Hazardous Building Materials: Performance clause F2.3.1

**Building Code compliance statements**

Performance B2.3.1 (a) 50 years: This product has been evaluated in accordance with B2/VM1. It meets this durability requirement and will remain serviceable for 50 years, or more, when installed and maintained in accordance with the relevant Sika technical literature. [nzl.sika.com](https://nzl.sika.com). The product has been BRANZ tested to confirm that it has a vapour flow resistance of not less than 90 MN s/g. According to Sika's "Service Improvement" records, maintained within its ISO9001:2015 Quality Management System, this product has performed successfully in New Zealand since it was introduced in 2019 and has similar characteristics and properties to other bituminous emulsions that have been widely used in NZ for many years

Performance E2.3.3: This product will meet the E2.3.3 weathertightness requirements. The membrane has been tested by BRANZ and has a vapour flow resistance of not less than 90 MN s/g.

Performance F2.3.1: This product meets this requirement when used and applied in accordance with Sika's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Sika Product Technical Data sheet and product Safety Data Sheet [nzl.sika.com](https://nzl.sika.com) for further information if required

**BASIS OF PRODUCT DATA**

All technical data in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

**IMPORTANT CONSIDERATIONS**

- Sika BlackSeal Plus (NZ) must be protected immediately after curing by using a suitable protection sheet such as Sika BlackSeal® Protection Sheet for walls and by using a cement screed or fibre cement board for floors.
- Do not expose to sunlight.
- Do not overcoat with paints as staining will occur and if exposed to sunlight the paint film will crack.
- Sika BlackSeal Plus (NZ) is recommended for use only as described in the Uses section of this data sheet.

**ECOLOGY, HEALTH AND SAFETY**

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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020706301000000049

**APPLICATION INSTRUCTIONS****DESIGN REQUIREMENTS**

The substrate that the membrane will be applied to must be in accordance with the NZBC to a relevant standard, such as NZS3101 for concrete, NZS 4230 or NZS 4229 for concrete masonry and NZS 3604 for timber framed Buildings.

**SUBSTRATE PREPARATION**

- Clean down surface to be treated removing all dust, grease, laitance and foreign matter.
- Remove any form release agent residues and curing compounds by high pressure waterblasting, grit blasting or mechanical wire brushing.
- Grind back smooth any dags or ridges. Any surface irregularities should be filled using Sika MonoTop repair mortars or Sikadur-41 epoxy repair mortar.
- Lightly dampen surface to be treated with water, but ensure that no free water remains.
- Stir Sika BlackSeal Plus (NZ) thoroughly before use.

**CONTROL JOINTS:**

Movement control joints in concrete or concrete masonry should be sealed with Sika BlackSeal®-1 prior to applying the Sika BlackSeal Plus (NZ). Refer to the Sika BlackSeal®-1 data sheet for details on joint sizes and application methods. For high movement joints refer to the Sika technical department.

## APPLICATION

### PRIMING:

Porous surfaces: A primer coat of 1 part clean water to 1 part Sika BlackSeal Plus (NZ) should be used. Add water slowly and mix thoroughly.

### APPLICATION:

- Stir thoroughly before use.
- Do not apply in temperatures below 5°C or above 50°C.
- Do not apply to exposed surfaces when rain is imminent.
- Apply Sika BlackSeal Plus (NZ) with a coarse whitewash brush or broom. Soak brushes in water before use and periodically during application. Large flat areas may be applied by roller or squeegee.
- Apply two full undiluted coats of Sika BlackSeal Plus (NZ).
- Allow each coat to dry 12-24 hours before re-coating.
- Protect immediately after curing by using a suitable protection sheet such as Sika BlackSeal® Protection Sheet for walls and by using a cement screed or fibre cement board for floors.
- In floors as a sandwich membrane, blind the final coat with sand to reduce damage.

## MAINTENANCE REQUIREMENTS

Annual (or sooner if required) inspections must be made of the membrane top edge seal and protection, the backfill capping and the drainage pipe, to ensure all are functioning as originally designed. If necessary the drainage pipe must be cleared to remove

sediment build up and the slope of the backfilled capping must be maintained at all times to allow surface water to be diverted away from the wall.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

The building product/building product line is not subject to warning or ban under section 26 of the Building Act 2004.

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