

PRODUCT DATA 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 waterproof 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.

CHARACTERISTICS / ADVANTAGES

- 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 / STANDARDS

Meets moisture vapour permeability requirements of NZS 3604:2011.

PRODUCT INFORMATION

Packaging	4 litre and 20 litre pails
Colour	Black
Shelf Life	Twelve (12) months when stored as stated.
Storage Conditions	Store in original containers in a dry place below +35°C and away from frost.
Density	1.00 kg/l
Solid content by weight	60%

APPLICATION INFORMATION

Consumption	Minimum total application rate is 1litre per m ² (in addition to the primer coat). Ideally this should be applied as two full undiluted coats at a coverage rate of approximately 2m ² / litre / coat, depending on the nature of the surface being treated.
Ambient Air Temperature	+5°C to +50°C
Curing Time	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.)

APPLICATION INSTRUCTIONS

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 METHOD / TOOLS

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 white-wash 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.

LIMITATIONS

- 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.

BASIS OF PRODUCT DATA

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

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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.

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.

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