

Sika® Blackseal-1500 MY / -2000 MY

(formerly known as Sika® Proof-1500 SA / -2000 SA)

Bituminous self-adhesive waterproofing membranes

Product Description

Sika® Blackseal-1500 MY (formerly known as Sika® Proof-1500 SA) and Sika® Blackseal-2000 MY are self-adhesive polymer modified bituminous sheet membranes reinforced with a tough high density polyethylene film. The under side is protected by a release film.

Uses

Sika® Blackseal-1500 MY / -2000 MY can be used as a waterproofing membrane on:

- Flat or pitched roofs
- Foundations and basements
- Retaining walls
- Terraces and balconies
- Cut and cover tunnels, subways

Characteristics / Advantages

- Cold applied
- Self-adhesive, easy to apply
- Excellent adhesion to vertical and horizontal surfaces
- Good chemical resistance
- Excellent stability when exposed to stresses such as movement and temperature extremes

Product Data

Appearance / Colour

Black

Packaging

Sika® Blackseal-1500 MY: 1 x 20 m rolls

Sika® Blackseal-2000 MY: 1 x 15 m rolls

Storage Conditions / Shelf Life

12 months from date of production when stored on pallets in a cool, dry place. Keep away from direct sunlight.

Chemical Base

Polymer-modified bituminous sheet

Thickness

Sika® Blackseal-1500 MY: 1.5 mm

Sika® Blackseal-2000 MY: 2.0 mm



Mechanical / Physical Properties

(Average Values)

Tensile Strength	■ Longitudinal	20 N/mm ²	(ASTM D 882)
	■ Transversal	20 N/mm ²	
Tear Strength	■ Longitudinal	130 N/mm ²	(ASTM D 1004)
	■ Transverse	110 N/mm ²	
Adhesion Strength	■ Primed substrate	2.0 N/mm	(ASTM D 1000)
	■ Self	2.4 N/mm	
Water Absorption	0.14% @ 24 hours		(ASTM D 570)
Puncture Resistance	220 N		(ASTM E 154)
Softening Point	+100°C		(ASTM D 36)

Resistance

Chemical Resistance Resistant to chlorides, sulphates and phosphates found in ground water.

System Information

Application Details

Surface Preparation Concrete shall be at least 8 days old.
Surfaces must be clean, dry, and free from all traces of loose materials, old coatings, curing membranes, release agents, laitance, oil, greases, etc.
Structurally unsound layers and surface contaminants must be mechanically removed by abrasive blast tracking or grinding. Substrates heavily impregnated with oil must be cleaned by torching or suitable solvent cleaning methods.
For re-profiling defects on horizontal surfaces a suitable patching mortar is required. The patching mortar should be of cementitious base depending on the scope, particular conditions and requirements of the work. Contact our Technical Service Department for further information.

Application Instructions

Application Method / Tools First apply BC Bitumen Coating as a primer onto the substrate and allow to dry. Only apply the primer where the Sika® Blackseal membrane is to be applied. Begin applying the membrane when the primer is tack free.
Place the pieces of membrane on the surface to be waterproofed and ensure that laps of 50 mm on the side, and 100 mm at the ends, are maintained. Cut the membrane to desired shape if needed. Peel off the release film and place the membrane, ensuring that overlap requirements are kept. Press the membrane from the centre towards the edges to expel entrapped air.

Cleaning of Tools Clean all tools and application equipment with light solvent immediately after use.

Notes on Application / Limitations

- A slip sheet should be used on the membrane when applying a solid topping over the top
- An approved membrane protection board should be installed over the membrane prior to any backfilling
- The membrane is not root resistant

Value Base

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.

Health and Safety Information

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

Legal Note

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.



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