

PRODUCT DATA SHEET

Sika® BituSeal S-115

Post applied self-adhesive bituminous sheet waterproofing membrane

PRODUCT DESCRIPTION

Sika® BituSeal S-115 is a post applied self-adhesive waterproofing sheet membrane. It is based on a top layer of polyethylene film bonded to a layer of bitumen/polymer adhesive carried on a release paper, with a selvage strip.

USES

Sika® BituSeal S-115 is designed for use as an under-layer in fully self-adhesive multi-ply built-up systems.

Waterproofing and damp-proofing of foundations:

- Exterior walls of basements against percolating water and damp soil retaining walls (multilayer build-up) (EN 13967)

CHARACTERISTICS / ADVANTAGES

- High tensile strength and elongation
- Resistant against natural aggressive mediums in ground water and soil
- High water vapour permeability
- Dimensional stable
- High flexibility in cold
- No welding of membrane overlaps required
- Quick and easy installation by self-adhesion
- Good elasticity and adhesion
- Tested for Radon permeability (membrane 1.1×10^{-11} m²/s, joints 8.3×10^{-12} m²/s in accordance with the K124/02/95 method)

APPROVALS / STANDARDS

Conforms to the requirements of EN 13967: 2013 Product Type T
BBA Approved Certificate No. 16/5291, 22.02.2016

PRODUCT INFORMATION

Packaging	Roll size: 1.05 m x 19.05 m (each individual roll is supplied packed in a cardboard box) Roll weight: 33 kg Thickness: 1.5 mm Weight: ~1.7 kg/m ²
Appearance / Colour	Rolled sheet membrane, reinforced with polyester non woven fabric. Surface: protective silicone-treated release liner, Reverse: protective silicone treated release liner Colour: black
Shelf Life	12 months from date of production
Storage Conditions	Store in dry conditions between +5°C to +35°C. Rolls must be stored in their original package, in vertical position and under cool and dry conditions. They must be protected from direct sunlight, rain, snow and ice.
Product Declaration	EN 13967: 2013 Product Type T

Length	19.05 m (Tolerance -0% to +5%)	(EN 1848-2)
Width	1.05 m (tolerance -5% to +5%)	(EN 1848-2)
Thickness	1.50 mm (tolerance -5% to +10%)	(EN 1849-2)
Mass per unit area	1650 g/m ² (tolerance -10% to +10%)	(EN 1849-2)

TECHNICAL INFORMATION

Resistance to Impact	≥ 500 mm	(EN 12691)	
Resistance to Static Load	≥ 20 kg	(EN 12730)	
Tensile Strength	<u>Max Tensile Stress CD</u>	≥ 2.5 N/mm ²	(EN 12311-2)
	<u>Max Tensile Stress MD</u>	≥ 2.5 N/mm ²	
	<u>Elongation at Break MD</u>	≥ 130%	
	<u>Elongation at Break CD</u>	≥ 130%	
	<u>Joint Strength</u>	≥ 30 N	(EN 12317-2)
Resistance to Tearing (nail shank)	<u>(Nail Shank) CD</u>	≥ 100 N	(EN 12310-1)
	<u>(Nail Shank) MD</u>	≥ 100 N	
Water Tightness	Watertightness to liquid water	Pass	(EN 1928 Method A 60 Kpa)
Water Vapour Transimission	<u>Density Flow Rate</u>	0.09 g/(day•m ²)	(EN 1931)
	<u>Resistance Factor, μ</u>	220000 μ	
Durability of Water Tightness against Ageing	Pass		(EN 1847 Method A 60 KPa)
Durability of Water Tightness against Chemicals	Pass		(EN 1847 Method A 60 KPa)
Reaction to Fire	NPD		(EN 13501)

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.

LIMITATIONS

This product must not be installed on wet substrates.

Apply at temperatures above +10°C. At lower temperatures, use a hot air gun or indirect flame to aid adhesion.

Never attempt to apply at temperatures below +5°C.

The membrane is not UV-stabilised and shall not be used on structures where it is permanently exposed to weathering.

The installed membrane shall be protected against mechanical damage with a suitable protective layer.

The installed membrane can not be exposed to hydraulic pressure.

The installed membrane is not suitable, once applied on horizontal concrete and protected with pavement stones of deck structures intended for vehicle traffic.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

Primer application:

Application of solvent containing bitumen laquer, or solvent-free bitumen emulsion, consumption approx. 350g/m². Application by brush or roller. Waiting time, depending to temperature, > 30min. unless drying.

Membrane installation method:

Remove the silicone paper from one longitudinal side of the roll and stick half of the roll to the primed substrate. Always start from the lowest point and work

upwards. Press the membrane onto the substrate by roller or hand. Repeat the same for the second half of the roll.

Lateral joints:

Overlap the membranes at least 50 mm and press them on with a rubber roller.

Lap joints:

Overlap the membranes for at least 100 mm.

For further installation information users shall refer to the Sika® BituSeal S-115 Method Statement.

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.

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.

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