

## 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 SBS (styrene-butadiene-styrene) modified bitumen, reinforced with polyester non woven fabric. It has a silicone-treated release liner on the upper and lower surface

#### 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 13969)

#### 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  $1.1 \times 10^{-11}$  m<sup>2</sup>/s, joints  $8.3 \times 10^{-12}$  m<sup>2</sup>/s in accordance with the K124/02/95 method)

#### APPROVALS / STANDARDS

Product Declaration EN 13707 (Installation on roofs), EN 13969 (Installation in foundations), CE Marking BBA Approved Certificate No. 16/5291, 22.02.2016

#### PRODUCT INFORMATION

<b>Packaging</b>	Roll size: 1.05 m x 19.05 m (each individual roll is supplied packed in a cardboard box) Thickness: 1.5 mm Weight: ~1.7 kg/m <sup>2</sup>
<b>Appearance / Colour</b>	Rolled sheet membrane, reinforced with polyester non woven fabric. Surface: protective silicone-treated release liner, Reverse: protective silicone treated release liner Colour: black
<b>Shelf Life</b>	12 months from date of production
<b>Storage Conditions</b>	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.
<b>Product Declaration</b>	EN 13707, EN 13969
<b>Length</b>	10.00 m (-1%) <span style="float: right;">(EN 1848-1)</span>

Width	1.00 m (-1%)	(EN 1848-1)
Effective Thickness	2.5 mm	(EN 1849-1)

## TECHNICAL INFORMATION

Tensile Strength	Max. Tensile strength longitudinal / transversal: 500 N / 50mm (± 20%) 400 N / 50mm (± 20%)	(EN 12311-1)
Elongation	Longitudinal / Transversal: 45% (± 15) 45% (± 15)	(EN 12311-1)
Tear Strength	150 N (± 30%) (nail shank)	(EN 12310-1)
Foldability at Low Temperature	≤ -25°C	(EN 1109)
External Fire Performance	F roof (European Classification)	(EN 13501-5)
Reaction to Fire	F (European Classification)	(EN 13501-1)
Flow Resistance	To elevated temperatures: ≥ 100°C	(EN 1110)
Artificial Ageing	<i>Long term exposure to elevated temperatures according to EN 1296 – flow resistance at elevated temperatures: &gt;+100°C (from -25°C)</i>  <i>By long term exposure to UV radiation and elevated temperatures according to EN 1296 / EN 1297:</i> Max. tensile strength: 500N/50mm,400N/50mm Max. elongation: 45%, 45% Water tightness: ≥ 60 kPa	(EN 1110)
Water Vapour Transimission	μ ≥ 20'000	(EN 1931)
Water Tightness	≥ 60 kPa	(EN 1928-B)

## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

#### Primer application:

Application of solvent containing bitumen laquer, or solvent-free bitumen emulsion, consumption approx. 350g/m<sup>2</sup>. 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.

## 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.

## VALUE BASE

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

## 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.

## ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

## 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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### Product Data Sheet

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