

## PRODUCT DATA SHEET

# Sika® EVA Backing Strip

Semi-rigid closed cell cross linked construction foam

## DESCRIPTION

Sika® EVA Backing Strip is a semi-rigid closed cell cross linked construction foam. It is available in sheet form or as a rectangular cross sectional strip in a density of 105 kg/m<sup>3</sup>.

## USES

Sika® EVA Backing Strip is designed as a back up support material for surface seals in load bearing joints, e.g. pavements, water retaining/excluding structures, industrial floors and bridge deck joints. Other uses include as a bedding seal under precast concrete panels, as a grout dam to prevent grout loss when joining precast concrete components and as a physical barrier to prevent the ingress of water, dirt and dust.

## CHARACTERISTICS / ADVANTAGES

- Tough, flexible and resilient.
- Bitumen free.
- Non tainting.
- Low absorption of liquids.
- Insulation against both thermal and electrical energy flow.
- Non extruding.
- Will not rot.
- Easily joined on site.
- Quick recovery after compression.
- Flexible at low temperatures (-70°C to 70°C).
- No bond breaker required with elastomeric sealants

## PRODUCT INFORMATION

Packaging	1,000 mm x 1,000 mm x 10 mm sheet
Appearance / Colour	Light grey EVA foam
Shelf Life	Sika® EVA Backing Strip has an indefinite shelf life when stored in accordance with stated conditions.
Storage Conditions	Store in original, unopened packaging in cool, dry conditions, out of direct sunlight.
Density	105 kg/m <sup>3</sup>

## 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.

## LIMITATIONS

Sika® EVA Backing Strip is not suitable as a joint support under hot poured sealants applied at temperatures exceeding +70°C.

## ECOLOGY HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the

product to the market, to transport or to use it. For safe use follow the instructions given in this product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w)

## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

- 1. Cutting:** Sika® EVA Backing Strip can readily be cut to size using a sharp knife.
- 2. Bonding:** Sika® EVA Backing Strip can be joined to itself and most other building materials using Stick 2 Instant Spray Contact Adhesive. Sika Nailbond® SB Original should be used when a "gap filling" adhesive is required, e.g. for rough or uneven surfaces.
- 3. Joint Sealing Slots:** When forming expansion joints with Sika® EVA Backing Strip in in-situ concrete, joint sealing slots can be readily formed as follows:
  - Cut a piece of Sika® EVA Backing Strip the same depth as the concrete section.
  - Within this piece of Sika® EVA Backing Strip, create a "tear off" strip equal to the depth of the proposed finished sealant. This is done by putting sufficient cuts at the proposed depth of the finished sealant so that the strip can be easily pulled off the base piece after the concrete has been poured and has set.
  - Install Sika® EVA Backing Strip into the joint recess and fix or bond in place with Stick 2 Instant Spray Contact Adhesive, leaving top edge flush with finished concrete surface. Do not apply any adhesive to the "tear off" strip.
  - To seal the joint, simply remove the top strip of Sika® EVA Backing Strip to provide an uncontaminated sealing slot ready for finish preparation and sealing.
  - The need for use of an additional bond breaker is eliminated where Sika® EVA Backing Strip is used as a joint back up material.
- 4. Sika® EVA Backing Strip as a support material for load bearing surface sealants:**
  - Surface loadings on sealants are sometimes sufficient to cause displacement of the seal.
  - To prevent this a firm load bearing back up support is required.
  - Sika® EVA Backing Strip is ideal as it permits expansion and contraction of the joint due to moisture and thermal movements whilst providing the support required.
  - The use of Sika® EVA Backing Strip should be considered for all sealant joints greater than 10 mm in width in load bearing situations.

- Typical situations for this system are: Water retaining/excluding structures, factory floor joints and bridge decks, etc. (For non load bearing situations and joints less than 10 mm wide, consider the use of Sika PEF Rod.)
- Joint widths should be designed in increments of 10 mm or 12 mm.
- The installation of Sika® EVA Backing Strip in these situations is best carried out during concrete placement.
- Alternatively Sika EVA Backing Strip can be adhesive fixed to the cured concrete face thus eliminating the need to nail fix to framework prior to pouring. (For this method the concrete face must be free from form oils or release agents to ensure good adhesion.)

### 5. Grout dams for precast concrete construction:

Latest construction techniques make considerable use of off-site factory precast components. These components are lifted into position on site, structural steel work is fitted and tied, and components joined using concrete or grout which is constrained by temporary formwork. Sika® EVA Backing Strip strips may be used as a pressure seal between formwork and precast components to prevent grout loss during grouting. Sika® EVA Backing Strip may also be used for wall and floor joints in water retaining/excluding structures and bedding seals for concrete precast panels. Design compression on Sika® EVA Backing Strip strips for use as a bedding seal under precast panels is between 25% minimum and 50% maximum. Sika® EVA Backing Strip strips can be joined to each other and to concrete using Stick 2 Instant Spray Contact Adhesive or Sika® Nailbond SB Original.

## 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. 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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