



PRODUCT DATA SHEET

Sika® Flexitape Heavy

POLYAMIDE (NYLON) MESH TAPE FOR LOCALIZED REINFORCEMENT OF Sikalastic® AND Sikagard® SYSTEMS

PRODUCT DESCRIPTION

Polyamide (nylon) knitted reinforcement mesh for use with Sikalastic® waterproofing membranes and Sikagard® Duroplast wall coating systems. Available in two (2) widths, Sika® Flexitape Heavy is used over joints or cracks liable to movement and for bridging gaps between different substrate elements. Thanks to the material's malleability, the reinforcement will follow surface contours and may easily be molded over different types of details.

WHERE TO USE

- To impart additional tensile strength and durability in Sikalastic® liquid-applied membranes or Sikagard® Duroplast® wall coating systems.
- For the treatment of details, cracks, gaps, construction and expansion joints.

CHARACTERISTICS / ADVANTAGES

- Capable of stretching within the membrane to accommodate a high degree of thermal and structural movement
- Bridges joints and cracks and gaps between dissimilar substrates
- Follows surface contours and may be molded over complex detail work
- Imparts additional tensile strength and durability to membrane
- May also be used in the construction of expansion joints
- VOC Content: N/A
- Chemical Resistance: Consult Sika Canada

PRODUCT INFORMATION

Composition / Manufacturing	Knitted Polyamide
Packaging	Individually wrapped rolls: Available in two (2) widths: - 75 mm wide x 50 m long (3 in x 164 ft) - 150 mm wide x 50 m long (6 in x 164 ft)
Appearance / Colour	White
Shelf Life	Unlimited when stored properly in original, unopened and undamaged sealed packaging in dry and cool conditions.
Storage Conditions	Store flat and wrinkle-free at temperatures between 4 and 35 °C (40 and 95 °F). Protect from rain and sunlight.

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

LIMITATIONS

- To avoid dew point conditions during application, relative humidity must not exceed 95 % and substrate temperature must be at least 3 °C (5 °F) above measured dew point temperatures.
- Minimum ambient temperature during application and curing of material is 5 °C (41 °F); maximum: 35 °C (95 °F). Surface temperatures must not exceed 60 °C (140 °F).
- Do not apply on substrates with moisture content exceeding 4 % by weight, measured by Tramex® Concrete Moisture Encounter Meter.
- Minimum age of concrete must be 21 - 28 days depending on curing and drying conditions.
- Do not store materials outdoors exposed to sunlight and moisture for prolonged periods.
- Do not apply to substrate surfaces where moisture vapor transmission will occur during application and cure. This condition may be checked using ASTM D4263 (Polyethylene Sheet method).
- Substrate must be dry prior to application. Do not apply to a frosted, wet or damp surface. Allow sufficient time for the substrate to dry after rain or inclement weather, as there is the potential for bonding problems.
- On substrates likely to exhibit outgassing apply during falling ambient and substrate temperature. If applied during rising temperature, pinholing may occur.
- Precautions should be taken to prevent vapors and/or odors from entering the building / structure, including but not limited to turning off and sealing air intake vents and throughwall air conditioners, and other means of vapor/odor ingress during application and cure.
- Any repairs required to achieve a level surface must be performed prior to application (consult a Sika representative for guidance on various product solutions). Surface irregularities may reflect through the cured system.
- When applying over existing coatings or membranes compatibility and adhesion testing, prior approval by Sika Canada is required.
- On grade concrete decks should not be covered with Sikalastic® membrane systems.
- Unvented metal pan, split/sandwich slab with encapsulated membrane and/or insulation, cinder fill decks, and lightweight insulating concrete overlays should not be covered with Sikalastic® membrane systems without additional deck evaluation and subsequent approval by Sika Canada.
- Not recommended for metal substrates.

ENVIRONMENT, HEALTH & SAFETY

HAZARDOUS PRODUCT ACT - SECTION 2

This product is a manufactured article that does not require Safety Data Sheets to be marketed, transported or applied at the jobsite, according to the Hazardous Product Act - Section 2. Based on our current knowledge, this product is not classified as dangerous and does not contain any hazardous materials. Always wear personal protective equipment (including safety goggles and gloves) to manipulate and install Sika® products.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

The surface must be sound, of sufficient strength, clean, dry and free of dirt, oil, grease and other contamination. Depending on the material the substrate must be primed or mechanically-cleaned. For detailed information regarding substrate preparation and primer chart, refer to the Application Guide of the corresponding liquid-applied membrane or wall coating system.

PRIMING

There are two (2) types of application methods for applying partial reinforcement with Sika® Flexitape Heavy: 1) Application by direct laying over cracks, steps and joints, or 2) Application by partial disbondment over expansion joints and major movement cracks.

Sika® Flexitape Heavy is laid directly as a preliminary step prior to full over-coating of the substrate. A wet coat of membrane is laid at the specified application rate on either side of the defect. The tape is embedded, without stretching, into the wet coating by gentle brush pressure. Further coating is applied to obliterate the tape. Once dry or cured this is then overcoated as part of the overall membrane application. Expansion joints or major cracks upon which movement is known to be centered require a degree of disbondment to allow the creation of flexible bellows, thereby avoiding stress cracking. Apply a minimum 25 mm (1 in) width of release tape over the joint/crack. Apply a full layer of the coating and embed the Sika® Flexitape Heavy into it, centered on the joint/crack. Apply a further wet coating to obliterate the tape.

Note: Sika® Flexitape Heavy must exceed the masking by at least 38 mm (1 ½ in) either side to give adhesion. Consult with Sika Canada for specific recommendations.

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 exact product data and uses.

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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