BUILDING PERFORMANCE

CLASS 1

Building Product Information Sheet

Product name:

Sikaflex MS

Product line *(the product line from which the product is customised)*:

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Product description and its intended use *(measurements, materials, usage)*:

DESCRIPTION
Sikaflex® MS is a tough, durable elastomeric joint sealant suitable for use in a wide range of external and internal building applications. It is based upon SMP technology resulting in a unique combination of properties ideally suited to New Zealand climatic conditions. Sikaflex® MS has excellent primerless adhesion to a wide range of common building substrates as indicated below and does not stain concrete, marble and other masonry surfaces.

USES
Sikaflex® MS has been formulated for sealing joints in and around concrete, brick, masonry, pre-cast panels, stone cladding,

Product identifier *(if applicable)*:

Sikaflex MS

Place of manufacture: ☐ Aotearoa New Zealand ☑ Overseas

Legal and trading name of the manufacturer(s):

Sika Ltd - Japan, 1-1 Nagatoro, 254-0021 Hiratsuka, Kanagawa, Japan

Legal and trading name of the importer *(if applicable)*:

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Address for service:

STREET NAME	85 Patiki Road	SUBURB	Avondale
CITY, COUNTRY	Auckland, New Zealand	POSTCODE	1026

Website: nzl.sika.com

Email address: info@nz.sika.com

Phone No. *(if applicable)*: 0800 745 269

NZBN *(if applicable)*: 9429000018791

Relevant Building Code clauses:

B2 Durability: Performance clauses B2.3.1 - (b) not less than 15 Years, (c) not less than 5 years

E2 External Moisture: Performance clause E2.3.2

E3 Internal Moisture: Performance Clauses E3.3.3, E3.3.4, E3.3.5, E3.3.6

F2 Hazardous Building Materials: Performance clause F2.3.1

Statement on how the building product is expected to contribute to compliance:

Performance B2.3.1 (b) 15 years and (c) 5 years: The BRANZ appraisal for this product (link here) states that, in their opinion, the product achieves these durability requirements and will remain serviceable for 15 years, or more, when installed and maintained in accordance with the appraisal and relevant Sika technical literature. nzl.sika.com. According to Sika's ""Service Improvement"" records, maintained within its ISO9001:2015 Quality Management System, this product has performed successfully since it was introduced in 2000.

Performance E2.3.1, E2.3.2: In accordance with E2/AS1 and E2/AS3 (CCANZ CP 01:2014) this product has been tested and is compliant with the ISO11600:2002 Type F, Class 25LM classification (refer to nzl.sika.com). When used to seal flexible joints, as part of a roofing or wall cladding system, or around external openings, such as windows and doors, the product contributes to meeting the E2.3.1 and E2.3.2 weathertightness requirements.

Performance E3.3.3, E3.3.4, E3.3.5, E3.3.6: This product has been tested and is compliant with the ISO11600:2002 Type F, Class 25LM classification. When used to form impervious and easy to clean joints between sheet lining materials and between fixtures and linings, as defined in E3/AS1, it contributes to meeting these impermeability requirements.

Performance F2.3.1: This product meets this requirement when used and applied in accordance with Sika's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Sika Product Technical Data sheet and product Safety Data Sheet nzl.sika.com for further information if required.

- *options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)*
- *standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured*
- *physical properties of the building product*
- *how the building product is intended to be used.*

Limitations on the use of the building product:

LIMITATIONS
Sikaflex® MS must not be used as follows:
▪ With polyethylene, polypropylene, polybutylene, polycarbonate and bitumen
▪ Where it is subjected to permanent immersion in water
▪ With structural glazing or floor joints With pipes or in other applications where it may be subjected to hydrostatic or pneumatic pressures (other than wind pressure)
▪ Where continual exposure to aggressive solvents or chemicals will occur

Design requirements that would support the use of the building product:

Sikaflex Elastomeric Sealants - Joint design and movement calculation guide available on nzl.sika.com.

Sika Sealant Selector Guide, Consumption Guide and Best Practice Tips available on nzl.sika.com.

Installation requirements:

APPLICATION INSTRUCTIONS
SUBSTRATE PREPARATION
Joint surfaces must be clean and free from frost and surface water. Remove all dirt, laitance, loose materials and foreign matter.
▪ Remove all rust, scale and protective lacquers from metal surfaces.
▪ Non-porous surfaces should be degreased using Sika Thinner C
▪ In all joints a bond breaker must be used to prevent sealant contact with the back of the joint, and hence allow optimum performance. In shallow joints self adhesive polyethylene tape can be used. Deep joints should incorporate a backing strip such as Sika PEF Rod to support the sealant while also acting as a bond breaker.

PRIMING
Good adhesion can be gained on concrete, timber, metals, ceramics, brick work and most coating surfaces without the use of primers. However, on some surfaces adhesion may be improved by the use of a primer - refer to Sika for advice.

APPLICATION METHOD / TOOLS
Application temperature: +5°C to +40°C.
Cartridge: Cut the end off threaded stub on cartridge, screw on nozzle and cut nozzle to desired bead size at a 45° angle.
Sausage: Fit Sikaflex® MS sausage into Sika barrel sealant gun and using wire cutters cut the sausage below the metal crimp at one end. Place sausage nozzle over open end of gun and screw on end cap to hold in place. Extrude the sealant firmly into joint to ensure complete contact with joint faces. Smooth finish if necessary with a spatula wetted with a dilute detergent solution.

CLEANING OF TOOLS
Clean tools immediately after use with Sika Thinner C.

Maintenance requirements:

Joints that have been sealed with this product should be inspected annually (or sooner if required). Gently clean the surface of the joint with a mild solution of water and household detergent, using a soft brush to remove any residual contaminants and rinse clean with fresh water. Any defects within the joint should be identified and removed. The joint should then be cleaned, primed and repaired using the same Sika product to restore the original integrity of the joint. Refer to the Sika product data sheet and the website for further information: nzl.sika.com.

For full instructions on maintenance of sealed joints, refer to Sika Building Façade Joint Cleaning, Care and Maintenance Instructions at nzl.sika.com.

Is the building product/building product line subject to warning or ban under section 26?:

☐ Yes ☑ No

If yes, description of the warning or ban under section 26:

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Date: 1 0 1 0 2 3