



Sika® Membran System

A Waterproof Membrane and Sealant System for Curtain Walls

Technical Data Sheet

DESCRIPTION

Sika Membran System consists of flexible synthetic rubber of different grades, **Universal**, **Outdoor** and **Strong**. The different grades are secured and sealed in place using **SikaBond® TF plus** and **SikaLastomer® TF**.

USES

The **Sika Membran System** is used for waterproofing buildings with ventilated curtain facades:

- * Sealing of gaps between all building elements.
- * Wall unit to building frame.
- * Roof membrane connections.
- * Ground membrane connections.

ADVANTAGES

- * Easy quick application.
- * Solvent free system.
- * Suitable for uneven substrates.
- * Durable and waterproof.
- * Highly elastic.
- * Three grades available dependent on application UV and ozone resistant.
- * No solvent fumes.
- * Over ten years of proven track record.
- * Defined vapour diffusion.

Technical Data (typical)

Colour:	Black		
	Universal	Outdoor	Strong
Chemical basis:	synthetic rubber based on butyl	synthetic rubber	synthetic rubber
Specific gravity:	1.11 g/ml	1.22 g/ml	1.22 g/ml
Thickness:	0.6 mm	0.6 mm	1.2 mm
μ value:	98,000	52,000	52,000
Equivalent air layer thickness:	60 m	30 m	60 m
Elongation at break:	>400%	400%	400%
Tearing factor:	>9 N/mm ²	>8 N/mm ²	>8 N/mm ²
Tear strength after incision:	>11 N/mm	10 N/mm	20 N/mm
Heat ageing at +100°C after 24 h:	0.5%	0.5%	0.5%
Ozone-resistance 200 PPHM, 40°C 20% ra 168 h:	No cracks	No cracks	No cracks
Resistance against roots:	Resistant to roots	Resistant to roots	Resistant to roots
Fire protection class:	B2	B2	B2

All above values are approximate.

SURFACE PREPARATION

The concrete surfaces should be mechanically cleaned, preferably by blast cleaning. The laitance must be removed to establish good adhesion. All surfaces must be clean, sound and free from any oil, grease or other contaminants. All contact surfaces should be mechanically prepared followed by vacuuming so as to provide maximum adhesion.

MATERIAL PREPARATION

No pre surface treatment of the **Sika Membran** is required. Cut to length and width as necessary.

APPLICATION

Apply **SikaBond® TF plus** adhesive by sealant gun with a nozzle bore of 8.0 mm to the concrete substrate and spread by means of a spatula to approx 4 - 5 cm width and 1 mm thickness.

Place **Sika Membran** onto the **SikaBond TF plus** and apply pressure along membrane using a plastic roller. Ensure excess extruded **SikaBond TF plus** is tooled off by trowel.

Sika Membran may also be bonded to other membranes including EPDM using **SikaLastomer TF**.

For workshop pre site assembly of curtain walling units, use **SikaLastomer Adhesive Tape** prior to the application of **SikaBond TF plus**.

The double sided **SikaLastomer Adhesive Tape** provides internal support whilst the **SikaBond TF plus** is curing.

Also refer to application guidelines on brochure.

IMPORTANT CONSIDERATIONS

- * Bonded elements may require additional holding or support during curing period.
- * Where high mechanical resistance will be required during construction, use **Sika Membran Strong** only.

PACKAGING

Refer to latest price list.

STORAGE AND SHELF LIFE

In dry environment - unlimited.

Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

Important Note

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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

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