

PRODUCT DATA SHEET

Sika® Elastomer Compression Seals

Preformed, elastomer-based profiles for closing joints with low movement

DESCRIPTION

Sika Waterbar Elastomer Compression Seals are weatherproof, elastomer-based, joint closure profiles, available in a range of different profiles and sizes.

USES

Used for joint closure, mainly in buildings for joints with low movement, but not on exposed façades or areas with vehicular traffic.

Typical uses:

Closure of internal and external joints in buildings including:

- Parapets
- Retaining walls (negative side)

CHARACTERISTICS / ADVANTAGES

- Weatherproof
- Good UV stability
- High resilience
- Easy to install
- Joint protection against heavy rain and water, but not for complete joint waterproofing

APPROVALS / CERTIFICATES

Standards/Directives:

Preformed profiles for joint closure (not complete waterproofing) without further specific international or national standards or other defined requirements.

Certification/Approvals:

Manufacturer's test certificate, additional certification by agreement.

PRODUCT INFORMATION

Composition	Ethylene propylene diene monomer rubber (EPDM)
Packaging	20m and 40m rolls
Appearance / Colour	Black
Shelf life	The product does not expire if stored correctly.

Storage conditions

- To be stored on the pallets as supplied on a flat base.
- For long term storage ≥ 6 months in enclosed areas: The storage area should be covered, cool, dry, free from dust and moderately ventilated. The waterbars must be protected from heat sources and strong artificial lights with a high UV content.
- Short term storage > 6 weeks and < 6 months in enclosed areas on construction sites, outdoors: As for long term storage i.e. in dry storage protected by suitable covers from direct sunlight, snow and ice or any other form of contamination, store separate from other potentially harmful materials, plant and equipment such as structural steel, reinforcement or fuels etc., store away from traffic and site roads in a dry area.
- Short term storage ≤ 6 weeks on construction sites, outdoors: protected from contamination or damage, protected by suitable covers from strong sunlight and snow or ice.

TECHNICAL INFORMATION

Shore A hardness	62 ± 2 Shore-A	DIN 53505
	Low-temperature flexibility Shore-A hardness at -20°C ≤ 90	DIN 53505
Tensile strength	≥ 10 MPa	DIN EN ISO 527-2
Elongation	≥ 380 %	DIN EN ISO 527-2
Tear strength	≥ 8 N/mm	DIN ISO 34-1
Reaction to fire	Class B2	DIN 4102-1

SYSTEM INFORMATION

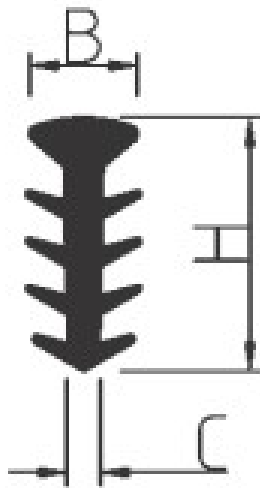
System structure



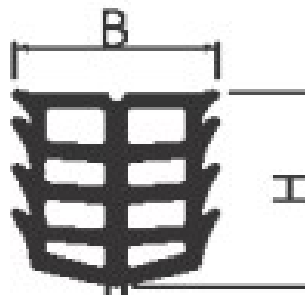
Profile Type	Joint Width (mm)	Profile Width B (mm)	Profile Height H (mm)	Profile Thickness (mm)
FN 20	15 - 25	39	38	8
FN 30	25 - 35	55	40	16
FN 40	35 - 45	66	43	24



Profile Type	Joint Width (mm)	Profile Width B (mm)	Profile Height H (mm)	Profile Thickness (mm)
FN 20 Winkel	15 - 25	22/14	45	8
FN 30 Winkel	25 - 35	24/24	53	16
FN 40 Winkel	35 - 45	35/20	43	24



Profile Type	Joint Width (mm)	Profile Width B (mm)	Profile Height H (mm)	Profile Thickness (mm)
MKN 10	8 - 13	15	22	6



Profile Type	Joint Width (mm)	Profile Width B (mm)	Profile Height H (mm)	Profile Thickness (mm)
MKN 15	13 - 20	25	25	3
MKN 20	20 - 25	31	25	3
MKN 25	25 - 32	37	30	3
MKN 30	30 - 38	43	35	3
MKN 40	37 - 42	52	40	3
MKN 50	43 - 52	62	50	4
MKN 60	50 - 60	75	60	4

BASIS OF PRODUCT DATA

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

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data..

To select an appropriate protective equipment under www.sika.de our info datasheets are available: "General information on OSH" (Code 7510) and "General information on the wearing of protective gloves" (Code 7511).

APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

General

Sika Waterbar Elastomer Compression Seals are used for joint closure for joints with low movement and without impermeability requirements.

Sections:

Angles, T-pieces and crossing pieces are easily cut to

size and fit on site from the rolls supplied and simply butt jointed together in the joints.

Handling and Installation:

- Careful handling and moving on site
- Installation only at substrate and product temperatures $\geq 0^{\circ}$
- Check for possible damage before installation
- Make butt connections on site by cutting to size and fit
- The Sika Waterbar Elastomer Compression seals have to be inserted into the joint gap by compressing. The use of a bevelled wooden slat is suitable for even driving into the joint gap
- Easy installation and fixing on one side with the SikaBond AT Universal adhesive

Note: Sika Waterbar Elastomer Compression Seals must not be stretched to fit.

Accessories:

SikaBond AT Universal, supplied in 300 ml cartridges, use for fixing/bonding the profiles on one side of a joint where required. Apply in accordance with the SikaBond AT Universal product data sheet - directions for use.

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.

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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