

PRODUCT DATA SHEET

Sika® Compression Seals Elastomer

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)

FEATURES

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

CERTIFICATES AND TEST REPORTS

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 For information about the available profile types and packaging sizes sold in Denmark, please contact our customer service
Appearance and colour	Black
Shelf life	The product does not expire if stored correctly.

Storage conditions

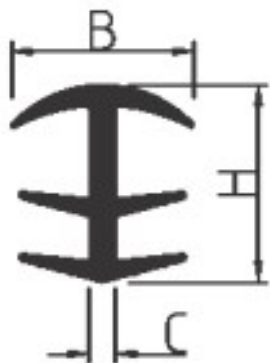
- To be stored on the pallets as supplied on a flat base.
- For long term storage ≥ 6 months in enclosed areas: The storage area should be covered, cool, dry, free from dust and moderately ventilated. The waterbars must be protected from heat sources and strong artificial lights with a high UV content.
- 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

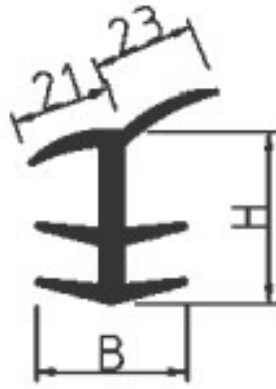
SYSTEM INFORMATION

System structure

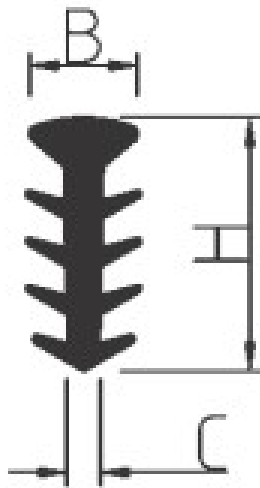


Profile Type	Joint Width (mm)	Profile Width B (mm)	Profile Height H (mm)	Profile Thickness (mm)
FN 20	15 - 25	39	38	8
FN 30	25 - 35	55	40	16
FN 40	35 - 45	66	43	24

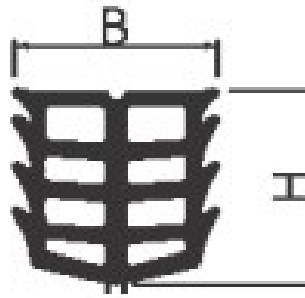




Profile Type	Joint Width (mm)	Profile Width B (mm)	Profile Height H (mm)	Profile Thickness (mm)
FN 20 Winkel	15 - 25	22/14	45	8
FN 30 Winkel	25 - 35	24/24	53	16
FN 40 Winkel	35 - 45	35/20	43	24



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 Product 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.

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 Sikaflex®-11 FC PurForm® adhesive

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

Accessories:

Sikaflex®-11 FC PurForm®, supplied in 300 ml cartridges, use for fixing/bonding the profiles on one side of a joint where required. Apply in accordance with the Sikaflex®-11 FC PurForm® product data sheet - directions for use.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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PRODUCT DATA SHEET

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