

## PRODUCT DATA SHEET

# Sikadur-Combiflex® SG-10 P

High performance joint and crack sealing tape

### DESCRIPTION

Sikadur-Combiflex® SG-10 P is a flexible waterproofing tape based on modified flexible Polyolefin (FPO) with advanced adhesion properties. Thickness 1,0 mm. The product is part of the Sikadur Combiflex® SG System.

### USES

Sealing all types of joints and cracks in many different structures and applications including:

- Tunnels and culverts
- Hydroelectric power plants
- Sewage treatment plants
- Basements
- Water retaining structures
- Drinking water reservoirs

Sealing of:

- Construction joints
- Pipe penetrations
- Cracks

### CHARACTERISTICS / ADVANTAGES

- Advanced adhesion, no activation on site required
- Highly flexible - high crack and joint bridging ability
- Good chemical resistance
- Good resistance to ageing
- Resistant to UV exposure
- Resistant to root penetration
- Performs well within a wide range of temperatures
- Plasticiser-free
- Hot air weldable
- Can be used in contact with potable/drinking water

### APPROVALS / CERTIFICATES

- Root Resistance CEN/TS 14416, Sikadur Combiflex® SG, SKZ, Test report No. 89643/09
- Water Regulations up to +50 °C BS6920-1:2000, Sikadur Combiflex® SG, WRAS, Approval No. 1708503
- CE Marking and Declaration of Performance to EN 13967 - Flexible sheets for waterproofing – Damp proofing and basement tanking
- Artificial Weathering Sikadur-Combiflex® SG, Report No.MT Nr. 09/0177

### PRODUCT INFORMATION

<b>Composition</b>	Modified flexible polyolefin (FPO)
<b>Packaging</b>	1 roll of 25 m length
<b>Shelf life</b>	36 months from date of production
<b>Storage conditions</b>	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +30 °C. Opened and unprotected rolls must be used within 2 months. Always refer to packaging.
<b>Appearance and colour</b>	Flexible light grey membrane
<b>Length</b>	25 m roll
<b>Width</b>	10, 15, 20, 25, 30, 40, 50, 100, 200 cm

Please contact our customer service, for information of what sizes are sold in Denmark.

Effective thickness	1,00 mm (-5 % / +10 %)	
Mass per area	1050 g/m <sup>2</sup> (-5 % / +10 %)	(EN 1850-2)

## SYSTEM INFORMATION

System structure	The following system products must be selected from the following depending on design: <b>Tape</b> <ul style="list-style-type: none"><li>▪ Sikadur-Combiflex® SG-10 / -20 type P or M</li></ul> <b>Adhesive</b> <ul style="list-style-type: none"><li>▪ Sikadur-Combiflex® CF Adhesive Normal or Rapid</li><li>▪ Sikadur®-31 CF or DW</li></ul>
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## TECHNICAL INFORMATION

Shore D Hardness	~35	(DIN 53505)
Resistance to impact	≥ 800 mm (Method B)	(EN 12691)
Resistance to static loading	≥ 15 kg (Method C)	(EN 12730)
Resistance to root penetration	Pass	(CEN/TS 14416)
Tensile strength	> 12 N/mm <sup>2</sup> (Method A)	(EN 12311-2)
Elongation	≥ 650 % Maximum permissible permanent elongation	(EN 12311-2) <10 % of non-adhered tape width
Resistance to tear	MD / CMD ≥ 280 N	(EN 12310-1)
Joint shear resistance	≥ 300 N/50 mm	(EN 12317-2)
Service temperature	-10 °C min. to +40 °C max	
Watertightness	Pass (Method B, 24 hours / 60 kPa)	(EN 1928)
Chemical resistance	Tested according to EN 1847. Contact Sika Technical Services for additional information.	
Durability of watertightness against chemicals	Pass ((Ca(OH) <sub>2</sub> , 28 days / +23°C) Pass (Method B, 24 hours / 60 kPa)	(EN 1847) (EN 1928)
Durability of watertightness against ageing	Pass (+70 °C / 12 weeks)	(EN 1296)
Reaction to fire	Class E	(EN ISO 11925-2)

## APPLICATION INFORMATION

Ambient air temperature	Refer to the System Data Sheet: Sikadur Combiflex® SG System
Substrate temperature	Refer to the System Data Sheet: Sikadur Combiflex® SG System

## 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.

## FURTHER INFORMATION

- System Data Sheet: Sikadur Combiflex® SG
- Sika Method Statement: Sikadur Combiflex® SG System

## IMPORTANT CONSIDERATIONS

- Refer to the Sikadur-Combiflex® SG System Sika Method Statement and System Data Sheet.

## ECOLOGY, HEALTH AND SAFETY

### REGULATION (EC) NO 1907/2006 - REACH

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in this product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w)

## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

Reference must be made to the Sika Method Statement: Sikadur Combiflex® SG System

### 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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