

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 / STANDARDS

- 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

Chemical Base	Modified flexible polyolefin (FPO)
Packaging	1 roll of 25 m length Refer to current price list for packaging variations
Appearance / Colour	Flexible light grey membrane
Effective Thickness	1,00 mm (-5 % / +10 %)
Mass per Unit Area	1050 g/m ² (-5 % / +10 %) (EN 1850-2)
Width	10, 15, 20, 25, 30, 40, 50, 100, 200 cm
Length	25 m roll
Shelf Life	36 months from date of production

Storage Conditions

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.

TECHNICAL INFORMATION

Shore D Hardness	~35	(DIN 53505)
Resistance to Impact	≥ 800 mm (Method B)	(EN 12691)
Resistance to Root Penetration	Pass	(CEN/TS 14416)
Resistance to Static Load	≥ 15 kg (Method C)	(EN 12730)
Tensile Strength	> 12 N/mm ² (Method A)	(EN 12311-2)
Elongation	≥ 650 %	(EN 12311-2)
	Maximum permissible permanent elongation	<10 % of non-adhered tape width
Resistance to tear (nail shank)	MD / CMD ≥ 280 N	(EN 12310-1)
Joint Shear Resistance	≥ 300 N/50 mm	(EN 12317-2)
Water Tightness	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 Water Tightness against Ageing	Pass (+70 °C / 12 weeks)	(EN 1296)
Durability of Water Tightness against Chemicals	Pass ((Ca(OH) ₂ , 28 days / +23°C)	(EN 1847)
	Pass (Method B, 24 hours / 60 kPa)	(EN 1928)
Reaction to Fire	Class E	(EN ISO 11925-2)
Service Temperature	-10 °C min. to +40 °C max	

SYSTEM INFORMATION

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

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

FURTHER DOCUMENTS

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

LIMITATIONS

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

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.

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.

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)

Sika India Pvt. Ltd.

620, Diamond Harbour Road
Commercial Complex II
Kolkata - 700 034
Tel : +91 33 24472448
Fax : +91 33 23978688
Mail : info.india@in.sika.com



Product Data Sheet

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LEGAL NOTES

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