

PRODUCT DATA SHEET

Sikadur-Combiflex® SG-20 P

HIGH PERFORMANCE EXPANSION JOINT AND CRACK SEALING TAPE

PRODUCT DESCRIPTION

Sikadur-Combiflex® SG-20 P is a flexible waterproofing tape based on modified flexible Polyolefin (FPO) with advanced adhesion properties. Thickness 2,0 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:

- Movement joints
- Construction joints
- Pipe penetrations
- Cracks
- Building components where differential settlement is expected

CHARACTERISTICS / ADVANTAGES

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

APPROVALS / STANDARDS

- Drinking water AS/NZS 4020, Sikadur Combiflex® SG , ams Laboratories, Test report No. 1116525
- Drinking water KTW, Sikadur Combiflex® SG , HY, Certificate No. K-248079-14-Ko
- Root Resistance CEN/TS 14416, Sikadur Combiflex® SG, SKZ, Test report No. 89643/09
- Sanitary Compliance XP P 41-250, Sikadur Combiflex® SG , CARSO, Certificate No. 16 MAT LY 108
- Water Regulations up to 50 °C BS6920-1:2000, Sikadur Combiflex® SG, WRAS, Approval No. 1708503
- Type testing EN 13967:2017-04, Sikadur Combiflex® SG-20, SKZ, Test report No:132501/18-II

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	2,0 (-5 % / +10 %) (EN 1849-2)
Mass per unit area	2095 g/m ² (-5 % / +10 %) (EN 1849-2)
Width	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 sealed packaging in dry conditions. 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	≥ 1500 mm	(EN 12691)
Resistance to Root Penetration	Pass	(CEN/TS 14416)
Tensile Strength	≥ 16 N/mm ²	(EN 12311-2)
Elongation	> 750 %	(EN 12311-2)
	Maximum permissible permanent elongation	<25 % of non-adhered tape width
	Note: For higher joint movement, loop tape into the gap of the joint.	
Resistance to Tearing (nail shank)	MD / CMD ≥ 570 N	(EN12310-1)
Joint Shear Resistance	≥ 500 N/50 mm	(EN 12317-2)
Water Tightness	Pass (Method B, 24 h / 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 (12 weeks)	(EN 1296)
	Pass (Method B, 24 h / 60 kPa)	(EN 1928)
Durability of Water Tightness against Chemicals	Pass ((Ca(OH) ₂ , 28 d, 23°C)	(EN 1847)
	Pass (Method B, 24h / 60 kPa)	(EN 1928)
Resistance to Weathering	Artificial weathering: 7500 h passed	(EN ISO 4892-2/-3)
Reaction to Fire	Class E	(EN 11925-2)
Service Temperature	-10 °C min. to +40 °C max	

SYSTEM INFORMATION

System Structure	Refer to Sikadur Combiflex® SG system data sheet
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APPLICATION INFORMATION

Ambient Air Temperature	Refer to the System Data Sheet of Sikadur Combiflex® SG System
Substrate Temperature	Refer to the System Data Sheet of 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.

FURTHER DOCUMENTS

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

LIMITATIONS

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

VALUE BASE

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 performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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)

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.

SIKA LIMITED

Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited

SIKA IRELAND LIMITED

Ballymun Industrial Estate
Ballymun
Dublin 11, Ireland
Tel: +353 1 862 0709
Web: www.sika.ie
Twitter: @SikaIreland



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