BUILDING TRUST

PRODUCT DATA SHEET

Sikadur-Combiflex® SG-10 M

1-mm-thick, high-performance joint sealing tape with masking tape

PRODUCT DESCRIPTION

Sikadur-Combiflex® SG-10 M is a 1 mm thick, flexible, waterproofing tape with advanced adhesion properties. It is based on modified flexible polyolefin (FPO). The Product has red masking tape on one side for easier application over expansion joints. Sikadur-Combiflex® SG-10 M is part of the Sikadur-Combiflex® SG System.

USES

Sikadur-Combiflex® SG-10 M is used for sealing expansion joints in the following typical applications:
- Tunnels
- Culverts
- Hydroelectric power plants
- Sewage treatment plants
- Basements and other below-ground structures
- Water-retaining structures
- Drinking water reservoirs

CHARACTERISTICS / ADVANTAGES

- No activation on site required
- Very good crack-bridging ability
- Good resistance to specific chemicals
- Good resistance to ageing
- Very good resistance to permanent UV exposure
- Good resistance to root penetration
- Wide service temperature range
- Free from plasticisers
- Hot-air weldable
- Approved for contact with drinking water

ENVIRONMENTAL INFORMATION

- Contributes towards satisfying Materials and Resources (MR) Credit: Building Product Disclosure and Optimization — Sourcing of Raw Materials under LEED® v4

APPROVALS / STANDARDS

- Root Resistance CEN/TS 14416, Sikadur Combiflex® SG, SKZ, Test report No. 89643/09
- Drinking Water Approval (WRAS Approval No.240355034), system comprising of Sikadur Combiflex ® SG Jointing System, using Sikadur 31DW
- Drinking water AS/NZS 4020, Sikadur Combiflex® SG , ams Laboratories, Test report No. 1116525
- CE marking and declaration of performance based on EN 13967:2012 Flexible sheets for waterproofing — Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet — Definitions and characteristics

PRODUCT INFORMATION

Chemical Base	Modified flexible polyolefin (FPO)	
Packaging	1 roll of 25 m length Refer to the current price list for available packaging variations.	
Appearance / Colour	Appearance	Flexible
	Top layer surface texture	Smooth
	Bottom layer surface texture	Smooth
	Colour	Light grey

Shelf Life	12 months from date of production	
Storage Conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to the packaging. Opened rolls must be used within 2 months.	
Length	25 m	
Width	10 cm, 15 cm, 20 cm, 25 cm, 30 cm Widths are subject to local availability	
Effective Thickness	1.00 mm (-0.05 mm / +0.10 mm)	(EN 1849-2)
Mass per unit area	1.05 kg/m² (-0.05 kg/m² / +0.10 kg/m²)	(EN 1849-2)

TECHNICAL INFORMATION

Shore D Hardness	35		(DIN 53505)
Resistance to Impact	Method B	≥ 800 mm	(EN 12691)
Resistance to Static Load	Method C	≥ 15 kg	(EN 12730)
Resistance to Root Penetration	Pass		(CEN/TS 14416)
Tensile Strength	Longitudinal (MD) Transversal (CMD)	≥ 12 N/mm² ≥ 12 N/mm²	(EN 12311-2)
Resistance to Tearing (nail shank)	Longitudinal (MD) Transversal (CMD)	≥ 280 N ≥ 280 N	(EN 12310-1)
Joint Shear Resistance	≥ 300 N/50 mm		(EN 12317-2)
Reaction to Fire	Class E		(EN 13501-1)
Chemical Resistance	Tested according to EN 1847. Contact Sika Technical Services for additional information.		
Water Tightness	Method B, 24 hours at 60 kPa	Pass	(EN 1928)
Durability of Water Tightness against Ageing	Aged 12 weeks at +70 °C, tested 24 hours at 60 kPa	Pass	(EN 1296)
Durability of Water Tightness against Chemicals	Calcium hydroxide, aged 28 days at +23 °C, tested 24 hours at 60 kPA	Pass	(EN 1847)
Service Temperature	Maximum Minimum	+40 °C -30 °C	
Elongation at maximum tensile force	≥ 650 % Maximum permissible permanent elongation: < 10 % of non-adhered tape width		(EN 12311-2)

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

SYSTEM INFORMATION

System Structure	Tape	Sikadur-Combiflex® SG-10 M
	Adhesive	Sikadur-Combiflex® CF Adhesive Normal Sikadur-Combiflex® CF Adhesive Rapid Sikadur®-31 DW Sikadur®-31 DW Rapid

VALUE BASE

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

FURTHER DOCUMENTS

- Sikadur-Combiflex® SG System - System Data Sheet
- Sikadur-Combiflex® SG System - Method statement

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

IMPORTANT
Strictly follow installation procedures
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 following document:
Sikadur-Combiflex® SG System - Method statement

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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