BUILDING TRUST

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:
- 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 / CERTIFICATES

- 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

## PRODUCT INFORMATION

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| **Composition** | Modified flexible Polyolefin (FPO) |
| **Packaging** | 1 roll of 25 m length<br>Refer to current price list for packaging variations |
| **Appearance / Colour** | Flexible light grey membrane |
| **Thickness** | 1,0 mm |
| **Width** | 10, 15, 20, 25, 30, 40, 50, 100, 200 cm |
| **Length** | 25 m roll |
| **Shelf life** | 36 months from date of production |

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| **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

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| **Shore D Hardness** | 35 | (DIN 53505) |
| **Resistance to Root Penetration** | Pass | (CEN/TS 14416) |
| **Tensile Strength** | > 12 N/mm² | (EN 12311-2) |
| **Elongation** | > 650 % | (EN 12311-2) |
| | Maximum permissible permanent elongation: <10 % of non-adhered tape width | |
| | Note: For higher joint movement, loop tape into the gap of the joint. | |
| **Tear Strength** | > 50 N/mm | (EN12310-2) |
| **Seam Strength** | > 300N/50 mm | (EN 12316-2) |
| | > 400N/50 mm | (EN 12317-2) |
| **Foldability at Low Temperature** | Passed<br>No cracks at -40 °C | (EN 495-5) |
| **Watertightness** | 6 bar / 72h<br>Behaviour under hydrostatic pressure | (EN 1928-B) |
| **Chemical Resistance** | Tested according to EN 1847. Contact Sika Technical Services for additional information. | |
| **Resistance to Weathering** | Artificial weathering:<br>7500 h passed | (EN ISO 4892-2/-3) |
| **Reaction to Fire** | Euroclass E | (EN ISO 11925-2, classification to EN 13501-1) |
| **Service Temperature** | -40 °C min. to +60 °C max | |

## SYSTEMS

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| **System Structure** | Refer to Sikadur Combiflex® SG System data sheet. |

## APPLICATION INFORMATION

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| **Ambient Air Temperature** | +0 °C min. / +60 °C max. (dry conditions) |
| **Substrate Temperature** | +5 °C min. / +45 °C max.<br>(Sikadur® epoxy adhesive temperature limits apply) |

## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

Reference must be made to further documentation where applicable, such as relevant method statement, application manual and installation or working instructions.

## FURTHER INFORMATION

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

## IMPORTANT CONSIDERATIONS

- 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 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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