

PRODUCT DATA SHEET

Sikadur-Combiflex®-930

(formerly MSeal 930)

Dynamic joint waterproofing bandage for rapid return to service applications in contact with potable water

DESCRIPTION

Sikadur-Combiflex®-930 is a highly elastic pre-formed bandage for waterproofing over joints or cracks in water retaining structures, such as reservoirs and water towers, where a high degree of movement is expected in both vertical and horizontal applications. The material is suitable for use on a number of different substrates including concrete, brick, block and metals. It is bonded to the substrate using Sikadur® Combiflex®-933, a two component epoxy resin adhesive.

USES

Sikadur-Combiflex®-930 is used to ensure continuity of waterproofing over joints or cracks in structures such as:

- Water reservoirs
- Water towers
- Tunnels
- Basements
- Filter beds

CHARACTERISTICS / ADVANTAGES

- 3 day return to service at ≥ 14 °C
- 10 day return to service at ≥ 7 °C
- Proven high performance
- Reg 31 approved for contact with potable water
- Can be applied in damp conditions
- Resistant to UV light, ozone and a wide range of chemicals
- Suitable for horizontal and vertical joint/cracks
- Low adhesive consumption
- No solvent wipe required

APPROVALS / STANDARDS

Approved for use in contact with potable water under:

- Regulation 31(4) (a) of the water supply (water quality) regulation 2016 for England and 2018 for Wales.
- Energy and Climate Change Directorate Drinking Water Quality Division, under Water Supply (Water Quality) (Scotland) Regulations 2014, 33(3) (a).
- Department of Agriculture, Environment and Rural Affairs under Regulation 30 of the Water Supply (Water Quality) Regulations (Northern Ireland) 2017.

IMPORTANT NOTE

Specific instructions for use (IFU) for potable water applications must be followed and are available upon request. For all other applications follow the guidance within this technical data sheet.

PRODUCT INFORMATION

Chemical Base

TPE (thermoplastic elastomer)

Packaging

Sikadur-Combiflex®-930 is available in the following widths and thickness:

- 100mm (wide) x 1mm (thick) x 20m (length)
- 150mm (wide) x 1mm (thick) x 20m (length)
- 200mm (wide) x 1 mm (thick) x 20m (length)
- 400mm (wide) x 1mm (thick) x 20m (length)
- 200mm (wide) x 2mm (thick) x 20m (length)

Colour	Grey
Shelf Life	24 months from date of manufacture
Storage Conditions	Store in unopened, original packaging, protected from moisture and direct sunlight.
Thickness	1 or 2 mm
Mass per Unit Area	<ul style="list-style-type: none"> ▪ 1 mm thickness: 950 g/m² ▪ 2 mm thickness: 1900 g/m²

TECHNICAL INFORMATION

Elongation	≥400 %
Resistance to Tear (nail shank)	<ul style="list-style-type: none"> ▪ 24 N (1 mm thickness) ▪ 40 N (2 mm thickness)
Chemical Resistance	On request
Resistance to UV Exposure	Pass (>5000 hr / Grade 0) according to EN 1297
Permeability to Water Vapour	μ = 30,000 (±30 %) according to EN 1931
Maximum Water Pressure	8 bar

APPLICATION INFORMATION

Ambient Air Temperature	≥5 °C																
Substrate Temperature	>5 °C																
Consumption	<table border="1"> <thead> <tr> <th>Bandage Width</th> <th>Linear m per kg adhesive</th> <th>Linear m per 5 kg pack adhesive</th> <th>Adhesive kg per 1 m bandage</th> </tr> </thead> <tbody> <tr> <td>100 mm</td> <td>3.5-7.0</td> <td>17.5-35.0</td> <td>0.15-0.30</td> </tr> <tr> <td>150 mm</td> <td>2.6-5.2</td> <td>13.0-26.0</td> <td>0.22-0.45</td> </tr> <tr> <td>200 mm</td> <td>1.7-3.5</td> <td>8.4-17.5</td> <td>0.30-0.60</td> </tr> </tbody> </table> <p>A 5 kg pack of adhesive yields approximately 3.6 litres. Coverage will vary dependent upon substrate profile and condition.</p>	Bandage Width	Linear m per kg adhesive	Linear m per 5 kg pack adhesive	Adhesive kg per 1 m bandage	100 mm	3.5-7.0	17.5-35.0	0.15-0.30	150 mm	2.6-5.2	13.0-26.0	0.22-0.45	200 mm	1.7-3.5	8.4-17.5	0.30-0.60
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SYSTEM INFORMATION

System Structure	Sikadur-Combiflex®-930 bandage adhered using Sikadur® Combiflex®-933
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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.

USES

Sikadur-Combiflex®-930 cannot be used on metal roofs, consult Sika Technical for further details.

FURTHER DOCUMENTS

For potable water applications, please refer to Sikadur-Combiflex®-930 Joint Bandage with Sikadur-Combiflex®-933 Adhesive APPLICATION TO POTABLE WATER CONTACT AREAS INSTRUCTIONS FOR USE

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 the 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

SUBSTRATE PREPARATION

Concrete and masonry surfaces should be mechanically abraded to maximise adhesion. It is essential that all surfaces are clean, free from dust, oil, grease and any other contaminants that may affect the adhesion adversely. All metal surfaces should be abrasive blasted to SA2½.

Prepare an area of substrate around the joint or crack allowing at least 25 mm to either side of the bandage to be applied. Joints or cracks in concrete, brick or block subject to active water ingress must be prepared and repaired with a suitable rapid setting Sika repair material. Damaged concrete should be repaired with a suitable Sika repair mortar. Allow time for the repair products to cure before proceeding to the next stage.

Masking the crack or joint

For cracks or joints of less than 25mm in width apply a 25mm wide masking tape. For designed joints of more than 25mm in width masking tape is not always required, in which case the Sikadur® Combiflex®-933 adhesive is applied up to the edge of the joint. In all cases the edges of the de-bonded area should be straight and parallel.

Masking the outer edges of the crack or joint

Apply the masking tape to allow a minimum of 5 mm to either side of the Sikadur-Combiflex®-930 bandage.

APPLICATION

With a clean spreader, suitable trowel or brush, apply Sikadur® Combiflex®-933 adhesive between the masking tapes to a depth of 1- 2 mm. Remove the central masking tape (if used) immediately on completion. Centrally position the Sikadur-Combiflex®-930 bandage onto the Sikadur® Combiflex®-933 adhesive pushing it firmly with a spatula, or trowel, to remove trapped air and ensure full contact.

Run a straight edge down the sides of the bandage to ensure a full bond. Overlap the edges of the bandage with 5 mm of Sikadur® Combiflex®-933 adhesive applied at a depth of 1-2 mm to encapsulate the edges of the bandage. Remove the masking tapes and clean off all excess adhesive from surrounding areas. Where required the Sikadur-Combiflex®-930 bandage can be joined by heat welding. Ensure a minimum overlap of 25 mm.

CLEANING OF TOOLS

Immediately after use all tools and equipment can be cleaned using a suitable solvent as hardened adhesive can only be removed mechanically. Please note the solvent should not be used in a confined space or where spillages could come into contact with potable water. In reservoir applications, wipe with a clean, lint-free cloth and potable water only. Repeat as necessary

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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