

PRODUCT DATA SHEET

SikaRoof® Sensor active R

Sensor for water detection and humidity monitoring in flat roof build-ups

DESCRIPTION

SikaRoof® Sensor active R is a battery powered, wireless sensor for water detection and monitoring the humidity in a flat roof build-up.

USES

SikaRoof® Sensor active R is used for:

- Detecting water ingress and to monitor the humidity in flat roof build-ups.

FEATURES

- The measurement data is transmitted to the Sika Platform via mobile network
- Easily installed, no electrician required on job-site
- Easily to start-up due to plug-and-play system
- Self-sufficient electric power supply with batteries
- Suitable for new construction, refurbishment and retrofitting
- In case of water detection, the assigned persons will be informed

PRODUCT INFORMATION

Composition	Transmitter casing	ABS
	Water Sensor casing	PA
	Frequency band	B1, B2, B3, B4, B8, B12, B17, B20, B28
	Radio protocol	LTE CAT-M1 / NB-IoT
	Current draw	Max. 500 mA
	Battery type	LR6/Mignon/AA
	Degree of protection of enclosure	IP65
Packaging	Cardboard box Refer to the current price list for available packaging variations.	
Colour	Colour	black
Shelf life	The product retains its properties when stored properly (excluding battery)	
Storage conditions	The products must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging.	

Dimensions	Transmitter	
	Length	79.3 mm
	Width	43.2 mm
	Depth	28.2 mm
	Water sensor	
	Length	91 mm
Weight	Diameter	24 mm
	Transmitter (including batteries)	115 g
	Water sensor (including cable)	45 g

TECHNICAL INFORMATION

Service temperature	Maximum	+60 °C
	Minimum	-15 °C
Design considerations	One SikaRoof® Sensor active R monitors and covers a roof area of 200 m² to 300 m². The water sensor is positioned at the low point of the roofdeck or compartment in direct contact with the top surface of the vapour control layer.	
Power supply	Batteries	2 ×1.5 V

APPLICATION INFORMATION

Ambient air temperature	Maximum	+60 °C
	Minimum	-20 °C

SYSTEM INFORMATION

System structure	System accessories: ▪ Sarnafil® T/SikaRoof® Sensor Control Pipe Set ▪ SikaRoof® Control Contact Plate ▪ SikaRoof® Control Glass Graphite Fleece ▪ SikaRoof® Control stainless steel mesh
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BASIS OF PRODUCT DATA

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

ECOLOGY, HEALTH AND SAFETY

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

APPLICATION

Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

The application of this Product must only be carried out by an applicator that is trained or approved by Sika. The applicator must also be experienced in this type of application.

Activating the sensor:

1. The two batteries are already inserted at the factory.

A short press on the button activates the Sensor.

Sensor installation:

1. Insert the Product into the Sensor insulation plug with cap.
2. Insert the Sensor insulation plug (including the assembled Product) into the control pipe. Make sure the water sensor is in direct contact with the vapour control layer.

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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