

Number	19-003794-PR12 (NW-K08-0209-de-01)
Declaration holder	ISO-Chemie GmbH Röntgenstr. 12 73431 Aalen Germany
Product	<b>Impregnated joint sealing tape for sealing of window connection joints to building structure, with room side surface coating, self-adhesive on one side (multi-functional strip)</b>
Designation	<b>ISO-BLOCO MULTIFUNKTIONSBAND</b>
Dimensions ( $t_f$ / $b_{max}$ )	30 - 120 / 10 - 20
Details	Material: Impregnated flexible PU foam Impregnation material: acrylate-based Side surface coating: colouring side surface coating on acrylate basis Adhesion surface: one-sided self-adhesive, acrylate-based Joint-sealing tape - colour: black or grey
Special features	For deviations from the requirements (extended field of application) see Table 1 on Page 2.

## Results

The evaluation/designation as impregnated joint sealing tape (multi-functional strip) is possible for the following stress group according to DIN 18542:2020-04.

## Multi-functional strip DIN 18542 - MF 1

(Requirement and detailed results see Page 2)

ift Rosenheim

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## Basis

DIN 18542:2020-04

Impregnated sealing tapes made of cellular plastics for sealing of outside wall joints – Requirements and testing

Basic test report  
16-002714-PR03 (PB-K08-0209-de-03) dated 03.03.2017

Test Report - Thermal conductivity 18-003760-PR08 (PB-K08-06-de-02) dated 29.04.2020

Test Report - Protection of function level: 19-004329-PR04 (PB-K08-02-de-01) dated 21.04.2020

## Representation



## Instructions for use

The results obtained can be used as evidence in accordance with the above basis.

## Validity

The validity of the evidence of performance ends after 5 years in January 2022.

When using this document the up-to-dateness of above basis and the conformity of the product have to be observed.

The data and results given relate solely to the tested/described specimen.

This test does not allow any statement to be made on any further characteristics regarding performance and quality of the product presented.

## Notes on publication

The ift-Guidance Sheet "Conditions and Guidance for the Use of ift Test Documents" applies. The test report shall only be published in its unabbreviated form.

## Identity-Check



[www.ift-rosenheim.de/ift-geprueft](http://www.ift-rosenheim.de/ift-geprueft)  
ID: 4EF-74317

**Table 1** Requirements and detailed results - in stress group 3 levels - MF 1

Properties according to DIN 18542, Section		Requirements for stress group		Results of test
		3 levels - MF 1		
7	Transferability to the delivery range	(see Table 2)		fulfilled
8.2	Coefficient of air infiltration, $\alpha$ -value	$a < 0.1 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^n]$		fulfilled
	Air tightness	$a < 0.1 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$		fulfilled
8.3	Water tightness of joints at $\Delta p$	$\geq 600 \text{ Pa}$		fulfilled
8.5	Protection of function level	$\geq 600 \text{ Pa}$		fulfilled
8.6	Thermal shock resistance	$-20^\circ\text{C}$ to $+80^\circ\text{C}$		fulfilled *)
8.7	Resistance to the effects of light and moisture	must be ensured		fulfilled
8.8	Compatibility with adjoining building material tested	up to $+80^\circ\text{C}$		fulfilled
8.9	Resistance to condensation	100 % relative humidity / $85^\circ\text{C}$		fulfilled
8.10	Water vapour permeability, $s_d$ -value ( $s_d = \mu \cdot t_{F,max}$ )	determined values in m	without side surface coating	0.4
			with side surface coating	2.0
8.11	Thermal conductivity $\lambda$	Average value in $\text{W}/(\text{m} \cdot \text{K})$		0.063
		Standard deviation in $\text{W}/(\text{m} \cdot \text{K})$		0.002
8.12	Reaction to fire	B1		fulfilled

\*) **Deviations**  
 to Clause 8.6: fulfilled with extended temperature range from  $-30^\circ\text{C}$  to  $+90^\circ\text{C}$ .

The following table shows the delivery range for the multi-functional strip ISO-BLOCO MULTIFUNKTIONSBAND (MF 1) specified by the client.

**Table 2** Delivery range ISO-BLOCO MULTIFUNKTIONSBAND

Designation: $t_F / b_{\min} - b_{\max}$		
30/5-10 to 120/5-10	30/7-15 to 120/7-15	30/10-20 to 120/10-20