

## Classification

Number	21-001283-PR51 (NW-K08-0209-en-01)
Owner	Novatech International N.V. Industrielaan 5/B 2250 Olen Belgium
Product	Impregnated joint-sealing tape made of cellular plastics
Designation	Expansion Tape Black
Details	Material flexible polyurethane foam Impregnation material: acrylate-based Adhesion surface: self-adhesive on one side, acrylate-based
Special features	For deviations from the requirements (extended field of application) see Table 1 on Page 2.
Validity	The validity of the evidence of performance ends after 5 years at 21.12.2025.

### Result \*)

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

## Joint sealing tape DIN 18542 - BG 1

(Requirement and detailed results see Page 2)

\*) Decision rule: For the evaluation of conformity, the measurement uncertainty was not taken into account.

### Basis

DIN 18542:2020-04

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

ift-Nachweis: 20-001119-PR02  
NW-K08-0209-de-01 dated 21.12.2020

ift Product certification QM 304  
contract no. 159 6017301 dated 25.09.2006

### Representation



### Instructions for use

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

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 unabridged form.

### Identity-Check



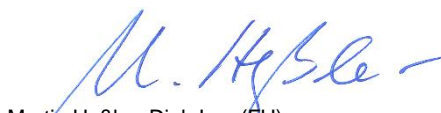
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30.01.2025



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**Table 1** Requirements and detailed results - in stress group external use - BG 1

Properties according to DIN 18542, Section		Requirements for stress group	Results of test
		External use - BG 1	
7	Transferability to the delivery range	(see Table 2)	fulfilled
8.2	Coefficient of air infiltration, $\alpha$ -value	$\alpha < 1.0 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^n]$	fulfilled
	Air tightness	$\alpha < 1.0 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$	fulfilled
8.3	Water tightness of joints at $\Delta p$	$\geq 600 \text{ Pa}$	fulfilled
8.4	Water tightness of joint crossings at $\Delta p$	$\geq 600 \text{ Pa}$	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 **)
8.10	Water vapour permeability, $s_d$ -value ( $s_d = \mu \cdot t_{F,max}$ )	$\leq 0.5 \text{ m}$	fulfilled
8.12	Reaction to fire	B1	fulfilled
*) fulfilled with extended temperature range from $-30^\circ\text{C}$ to $+90^\circ\text{C}$ .			
**) tested with additional grounds: PMMA, steel raw, steel zinc plated, stainless steel, aluminium anodized			

The following table shows the delivery range for the joint-sealing tape Expansion Tape Black (BG 1) specified by the client.

**Table 2** Delivery range Expansion Tape Black (BG 1)

Designation: $t_F / b_{min} - b_{max}$									
8/1-2	10/1-4	10/2-6	10/4-9	12/5-12	15/6-15	20/9-20	20/11-25	30/18-34	30/24-42
10/1-2	15/1-4	12/2-6	15/4-9	15/5-12	20/6-15	25/9-20	25/11-25	40/18-34	40/24-42
15/1-2	20/1-4	15/2-6	20/4-9	20/5-12	25/6-15	30/9-20	30/11-25	50/18-34	50/24-42
20/1-2	25/1-4	20/2-6	25/4-9	25/5-12	30/6-15	40/9-20	40/11-25		
25/1-2	30/1-4	25/2-6	30/4-9	30/5-12	40/6-15	50/9-20	50/11-25		
30/1-2	40/1-4	30/2-6	40/4-9	40/5-12	50/6-15				
40/1-2	50/1-4	40/2-6	50/4-9	50/5-12					
50/1-2		50/2-6							