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Institut für Baustoffe, Massivbau und Brandschutz | Materialprüfanstalt für das Bauwesen

General building authority test certificate

- TRANSLATION -

Test certificate No.:	P-5143/478/13 MPA BS
Subject:	Kunex® joint tapes for use as a joint sealing in concrete components with a high resistance to water penetration against pressing and non-pressing water and against ground moisture in accordance with Verwaltungsvorschrift Technische Baubestimmungen, seq. no. C 3.30
Applicant:	PohlCon GmbH Nobelstraße 51 12057 Berlin, Germany
Date of first issue:	10 June 2013
Issue date:	21 April 2022
Valid until:	20 April 2027

This general building authority test certificate consists of 7 pages and 9 annexes.

This translation is not tested by the testing laboratory. Authoritative is the German General Building Code Test Certificate. This translation may not be used in the German building control procedure.

A General provisions

(1) This general building authority test certificate demonstrates the usability of the construction product as defined by the German State Building Codes.

(2) The general building authority test certificate does not replace the permits, approvals and certificates required by law for the execution of construction projects.

(3) The general building authority test certificate is granted without prejudice to the rights of third parties, including, but not limited to, private intellectual property rights.

(4) Without prejudice to any further regulations under the "Special provisions" section, manufacturers and distributors of the construction product must provide the user of the construction product with copies of the general building authority test certificate and point out that the general building authority test certificate must be available at the application site. On request, copies of the general building authority test certificate shall be made available to the authorities concerned.

(5) The general building authority test certificate may only be reproduced in full. Publication of excerpts requires the consent of the Braunschweig Civil Engineering Materials Testing Institute (MPA Braunschweig). Texts and drawings of advertising material must not contradict the general building authority test certificate. Translations of the general building authority test certificate must bear the following notice: “This translation of the German original document has not been checked by the MPA Braunschweig.”

(6) The general building authority test certificate may be revoked at any time. The provisions may be supplemented or amended subsequently, especially if this is required due to new technical knowledge.

B Special provisions

1 Subject, field of application and use conditions

1.1 Subject

This general building authority test certificate applies to the production and application of the thermoplastic Kunex® joint tapes of PohlCon GmbH.

The joint tapes are made from plasticised polyvinyl chloride (PVC-P), are bitumen-compatible (BV) or non-bitumen-compatible (NB) and produced by extrusion in a ribbon-like fashion. They are manufactured with the designations listed below in various widths with continuous profiling along their full length for different configurations (interior and exterior) and also according to their use in expansion and construction joints in concrete, whereby the additional designation "S" refers to steel reinforced versions:

Interior construction joint tape:	PVC-P BV/NB A 100 / PVC-P BV/NB A 100 S[1)] PVC-P BV/NB A 150 / PVC-P BV/NB A 150 S[1)] PVC-P BV/NB A 190 / PVC-P BV/NB A 190 S[1)] PVC-P BV/NB A 240 / PVC-P BV/NB A 240 S[1)] PVC-P BV/NB A 320 / PVC-P BV/NB A 320 S[1)] PVC-P BV/NB A 500
Exterior construction joint tape:	PVC-P BV/NB AA 190/17 / PVC-P BV/NB AA 240/20 PVC-P BV/NB AA 240/25 / PVC-P BV/NB AA 240/35 PVC-P BV/NB AA 320/20 / PVC-P BV/NB AA 320/25 PVC-P BV/NB AA 320/35 / PVC-P BV/NB AA 500/35
Interior expansion joint tape:	PVC-P BV/NB D 150 / PVC-P BV/NB D 190 PVC-P BV/NB D 240 / PVC-P BV/NB D 320 PVC-P BV/NB D 400 / PVC-P BV/NB D 500
Exterior expansion joint tape:	PVC-P BV/NB DA 190/17 / PVC-P BV/NB DA 240/20 PVC-P BV/NB DA 240/35 / PVC-P BV/NB DA 320/20 PVC-P BV/NB DA 320/25 / PVC-P BV/NB DA 320/35 PVC-P BV/NB DA 500/35
Joint finishing tape:	PVC-P BV/NB FA 50/20 / PVC-P BV/NB FA 50/30 PVC-P BV/NB FA 70/40 / PVC-P BV/NB FA 90/20 PVC-P BV/NB FA 95/30 / PVC-P BV/NB FA 130/20
Corner joint tape: :	PVC-P BV/NB DA 120/120 EA PVC-P BV/NB DA 165/165 EA

[1)] In the steel-reinforced versions, a steel core is inserted perpendicular to the production flow (dimensions: thickness = 1.5 mm, width = 8 mm, length = depending on the width of the joint tape). The PVC overlap is ≥ 1.5 mm.

The shapes and dimensions for the above-mentioned joint tapes can be found in Annexes 1 to 7.

1.2 Field of application

The joint tapes listed under 1.1 fall under Verwaltungsvorschrift Technische Baubestimmungen, seq. no. C 3.30. They are used in sealing of joints in cast-in-place concrete constructions with a high resistance to water penetration against pressing and non-pressing water and against ground moisture (waterproof concrete construction).

The design of the joint tapes with a width of ≥ 240 mm and the joint finishing tapes shall be in accordance with DIN 18197, Section 5.4.1 (Issue January 2018) and the selection diagrams included therein. The dimensioning of the corner joint tape PVC-P BV/NB DA 120/120 EA is carried out according to the exterior expansion joint tape PVC-P BV/NB DA 240. The dimensioning of the corner joint tape PVC-P BV/NB DA 165/165 EA is carried out according to the exterior expansion joint tape PVC-P BV/NB DA 320. The permissible water pressures according to DIN 18197 shall be multiplied by the reduction factor 0.85. Dimensioning of the joint tapes with a width of < 240 mm shall be in accordance with Table 1.

Table 1: Fields of usability for joint tapes with widths < 240 mm

Joint width [mm]	200 < w < 240	160 < w ≤ 200	120 < w ≤ 160	80 < w ≤ 120	80
Maximum permissible water pressure – m water column	1.8	1.4	1.0	0.1	0.1[1)]

[1)] for use with a preliminary mix with 8 mm maximum aggregate size, 30 mm minimum bonding depth

The joint tapes are suitable for water exchange areas and fulfil the requirements of use class A for wear class 1 and 2 in accordance with the German directive for water impermeable concrete structures (WU-Richtlinie)[1].

1.3 Use conditions

Do not use NB tapes in contact with bitumen.
BV tapes are permitted for contact with bitumen.

2 Provisions for the construction product

2.1 Characteristics and properties

The joint tapes have the characteristics listed in Table 2 and shall correspond to same.

Proof of usability of the joint tapes was provided in accordance with the test principles for the issuing of General Building Code Test Certificates for joint seals in ground-contacting building components made of concrete with high water penetration resistance (PG-FBB), September 2017 edition. The Kunex joint tapes must conform with the technical characteristics specified in section 2.1 (1).

The joints which are sealed using the sealing are sufficient for the fields of application listed under Section 1.2 in terms of their

[1] Directive by the German Committee for Reinforced Concrete "Water-impermeable concrete structures" Issue 2017-12

- stability
- adhesion
- water impermeability
- Resistance to ageing

The construction product fulfils the requirements for fire behaviour of class E in accordance with DIN EN 13501-1.

2.2 Manufacture, packaging, transport, storage and marking

(1) The PVC-P joint tapes are factory-produced. Any modification of the recipes or change of the supplier must be reported to the testing laboratory without delay.

(2) Packaging, transport and storage of the PVC-P joint tapes must not impact the suitability for use. The specifications of the manufacturer must be observed.

(3) The information provided on the packaging in relation to requirements arising from other legal areas must be observed.

(4) The delivery note or packaging for the PVC-P joint tapes must be marked with the national conformity mark (Ü-Zeichen) by the manufacturer in accordance with the Conformity Marking Ordinance (ÜZVO) of the German federal states. The mark may only be applied if the requirements in accordance with Section 3 (certificate of compliance) are fulfilled. The content of section 1.3 "Use conditions" must be indicated on the delivery note (if applicable and without comment).

2.3 National conformity mark

(1) The construction products must be marked with the national conformity mark (Ü-Zeichen) by the manufacturer in accordance with the Conformity Marking Ordinance of the federal states. The national conformity mark (Ü-Zeichen) with the information prescribed there:

- Name of manufacturer
- Number of the general building authority test certificate

is to be applied to the packaging or, if this is not possible, to the packing slip. The mark may only be applied if the requirements in accordance with Section 3 are fulfilled.

(2) The following information must be included on the packaging of the construction product or the packing slip:

- Product name
- Batch number
- Intended use
- Reference to the associated processing regulations

3 Attestation of conformity

(1) General details

In accordance with the Administrative Provisions – Technical Building Rules, sequential no. C 3.30, the verification of the conformity of the construction product with the requirements of this general building authority test certificate is provided through a declaration of conformity by the manufacturer on the basis of a factory production control

and a test of the product before confirmation of conformity (initial test) through a recognised testing centre (ÜHP).

(2) Initial test of the construction product by a recognised testing centre

As part of the initial test, the tests of the characteristic values in accordance with Table 2 shall be carried out. The test values may not deviate from the reference values by more than the tolerances specified there.

The initial test of the product can be omitted, if the samples for the tests were taken from current production of the manufacturing plant as part of the usability certification.

If there are changes to the production conditions, a new initial test must be carried out.

(3) Factory production control

A factory production control system shall be set up and implemented in the manufacturing plant in accordance with DIN 18200.

The factory production control shall be carried out in accordance with the provisions of the specifications listed in Table 2, adapted to the product and its production conditions. The specified requirements are based on the results of the basic test.

The results from the factory production control are recorded and evaluated by the manufacturer. The records shall at least include the following information:

- Product designation
- Type of monitoring
- Date of manufacture and test
- Result of monitoring and comparison with requirements
- Signature of the person responsible for factory production control

The records shall be kept for at least five years and shall be submitted on request.

If the monitoring results are unsatisfactory, the manufacturer shall immediately take the necessary measures to remedy the defect. Construction products which do not meet the requirements shall be handled in such a manner that they cannot be mixed up with compliant products which are free from defects. After the defect has been remedied, the respective test shall be repeated, if this is required to verify that the defect has been eliminated.

Table 2: Type and frequency of the tests to be carried out as part of the factory production control; requirements

Properties	Test in accordance with DIN 18541-2 Section	Frequency	Requirements[1)]
General properties	5.2	1x per production batch[2)]	Free from cracks, blisters and cavities
Dimensional stability	5.3	1x per production batch[2)]	Adherence to minimum dimensions in accordance with Annexes 1 to 5
Shore hardness	5.4	1x per production batch[2)]	(67 ± 5) Shore A
Tensile strength	5.5	1x per production batch[2)]	≥ 9.0 MPa
Elongation at break	5.5	1x per production batch[2)]	≥ 230%

1) The requirements apply to the mean value. Individual values may not fall below the minimum more than 10 % below the minimum requirements.
2) A production batch is defined as a product from a production process of a delivered batch of the raw material, which is produced in a time not exceeding 1 day.

4 Implementation

The design principles and implementation instructions of DIN 18197 and the product documentation of the manufacturer shall apply. Additionally, the interior construction joint tapes may be joined by overlap welding in accordance with processing instructions provided by the manufacturer (Annexes 8 and 9).

5 Legal basis

This general building authority test certificate is granted on the basis of Article 19 of the Lower Saxony Building Code (NBauO) in conjunction with Verwaltungsvorschrift Technische Baubestimmungen, seq. no. C 3.30.

6 Legal remedies

An objection can be raised against this general building authority test certificate within one month of issue. The objection must be filed in writing or for the record with the management of the Civil Engineering Materials Testing Institute, Beethovenstraße 52, 38106 Braunschweig, Germany. The date of receipt of the notice of objection at the testing centre shall be decisive when determining whether the objection has been made in due time.

i. A.

Dr.-Ing. K. Herrmann
Head of Testing Laboratory

M. Pankalla
Engineer/Official in Charge

Interior construction joint tape (type A):

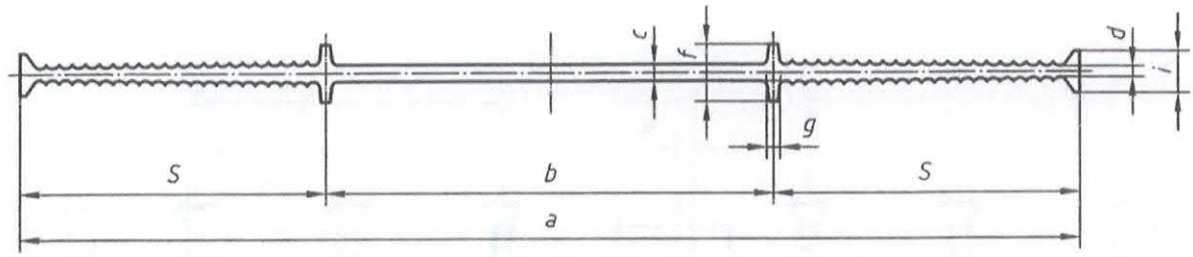


Image A1: Cross-section

Table A1: Actual and (minimum) dimensions [mm] of joint tapes, type A, bitumen-compatible (BV) or non-bitumen-compatible (NB)

Markings	Width			Thickness		Profiling		
	a	b	S	c	d	f	g	i
A 100	100.0 (98.8)	47.0 (45.8)	26.5 (25.3)	2.0 (1.5)	2.0 (1.5)	8.0 (7.3)	3.0 (2.6)	8.0 (6.5)
A 150	150.0 (148.0)	55.0 (53.5)	47.5 (46.0)	3.0 (2.8)	2.5 (2.3)	15.0 (14.2)	4.0 (3.5)	11.0 (10.0)
A 190	190.0 (188.0)	70.0 (68.5)	60.0 (58.5)	3.0 (2.8)	2.5 (2.3)	15.0 (14.2)	4.0 (3.5)	11.0 (10.0)
A 240	240.0 (238.0)	80.0 (78.5)	80.0 (78.5)	3.5 (3.3)	2.5 (2.3)	15.0 (14.2)	4.0 (3.5)	11.0 (10.0)
A 320	320.0 (317.0)	100.0 (98.0)	110.0 (108.0)	4.5 (4.3)	3.0 (2.8)	15.0 (14.2)	4.0 (3.5)	11.0 (10.0)
A 500	500.0 (495.0)	150.0 (148.0)	175.0 (173.0)	6.0 (5.8)	3.5 (3.1)	20.0 (18.5)	5.0 (4.5)	11.0 (10.0)

Abbreviations: Dimensions

a: Overall width
b: Width of the expansion component
c: Width of the expansion component at the thinnest point
d: Width of the sealing components at the thinnest point
f: Height of the anchor ribs, measured on both sides
g: Thickness of the anchor ribs at the root (tangent intersection point)
i: Thickness of the edge reinforcement
S: Width of the expansion components

Interior construction joint tape (type A, steel-reinforced):

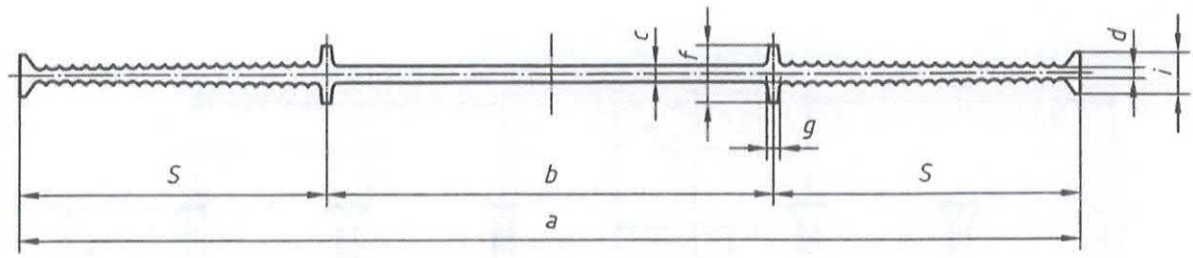


Image A2: Cross-section

Table A2: Actual and (minimum) dimensions [mm] of joint tapes, type A, steel-reinforced, bitumen-compatible (BV) or non-bitumen-compatible (NB)

Designation	Width			Thickness		Profiling		
	a	b	S	c	d	f	g	i
A 100 S[1)]	100.0 (96.0)	40.0 (38.0)	30.0 (28.0)	3.5 (3.2)	3.5 (3.2)	12.0 (11.4)	3.0 (2.5)	11.0 (10.0)
A 150 S[1)]	150.0 (144.0)	58.0 (56.0)	46.0 (44.0)	3.5 (2.9)	3.5 (2.9)	11.0 (10.0)	3.5 (3.0)	9.0 (8.0)
A 190 S[1)]	190.0 (184.0)	78.0 (76.0)	56.0 (54.0)	4.0 (3.4)	4.0 (3.4)	15.0 (14.0)	4.0 (3.5)	11.0 (10.0)
A 240 S[1)]	240.0 (232.0)	85.0 (83.0)	77.5 (75.5)	4.0 (3.3)	4.0 (3.3)	15.0 (14.0)	4.0 (3.5)	11.0 (10.0)
A 320 S[1)]	320.0 (312.0)	100.0 (98.0)	110.0 (108.0)	4.5 (3.9)	4.0 (3.4)	15.0 (14.0)	4.0 (3.5)	11.0 (10.0)

[1)] The type-S joint tape is produced with steel-reinforcement: In these versions, a steel core is inserted perpendicular to the production flow (dimensions: thickness = 1.5 mm, width = 8 mm, length = depending on the width of the joint tape). The PVC overlap is ≥ 1.5 mm.

Abbreviations: Dimensions

- a: Overall width
- b: Width of the expansion component
- c: Width of the expansion component at the thinnest point
- d: Width of the sealing components at the thinnest point
- f: Height of the anchor ribs, measured on both sides
- g: Thickness of the anchor ribs at the root (tangent intersection point)
- i: Thickness of the edge reinforcement
- S: Width of the expansion components

Interior expansion joint tape (type D):

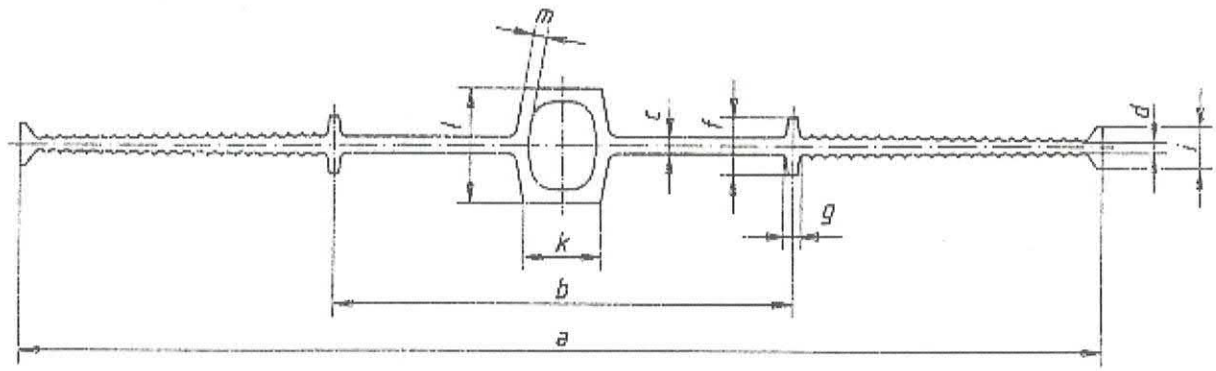


Image A3: Cross-section

Table A3: Actual and (minimum) dimensions [mm] of joint tapes, type D, bitumen-compatible (BV) or non-bitumen-compatible (NB)

Designation	Width		Thickness		Profiling			Hollow body/loop		
	a	b	c	d	f	g	i	k	l	m
D 150	150.0	55.0	3.5	2.5	15.0	4.0	11.0	10.0	25.0	3.0
	(148.0)	(53.5)	(3.3)	(2.3)	(14.2)	(3.5)	(10.0)	(9.3)	(24.0)	(2.5)
D 190	190.0	70.0	3.5	2.5	15.0	4.0	11.0	10.0	25.0	3.0
	(188.0)	(68.5)	(3.3)	(2.3)	(14.2)	(3.5)	(10.0)	(9.3)	(24.0)	(2.5)
D 240	240.0	80.0	4.0	3.0	15.0	4.0	11.0	20.0	30.0	3.5
	(238.0)	(78.5)	(3.8)	(2.8)	(14.2)	(3.5)	(10.0)	(19.0)	(29.0)	(3.0)
D 320	320.0	100.0	5.0	3.5	15.0	4.0	11.0	20.0	35.0	4.0
	(317.0)	(98.0)	(4.8)	(3.3)	(14.2)	(3.5)	(10.0)	(19.0)	(33.5)	(3.5)
D 400	400.0	125.0	5.2	3.7	16.0	5.0	11.0	20.0	40.0	4.0
	(397.0)	(123.0)	(4.4)	(3.0)	(15.0)	(4.3)	(10.5)	(19.0)	(38.5)	(3.5)
D 500	500.0	150.0	6.0	4.5	20.0	6.0	11.0	20.0	45.0	4.5
	(495.0)	(147.5)	(5.8)	(4.2)	(19.0)	(5.4)	(10.0)	(19.0)	(43.5)	(3.9)

Abbreviations: Dimensions

a: Overall width
b: Width of the expansion component
c: Thickness of the expansion component at the thinnest point
d: Thickness of the sealing components at the thinnest point
f: Height of the anchor ribs, measured on both sides
g: Thickness of the anchor ribs at the root (tangent intersection point)
i: Thickness of the edge reinforcement
k: Width of the hollow body or loop
l: Height of the hollow body or loop
m: Wall thickness of the hollow body or loop at the thinnest point

Exterior construction joint tape (type AA)

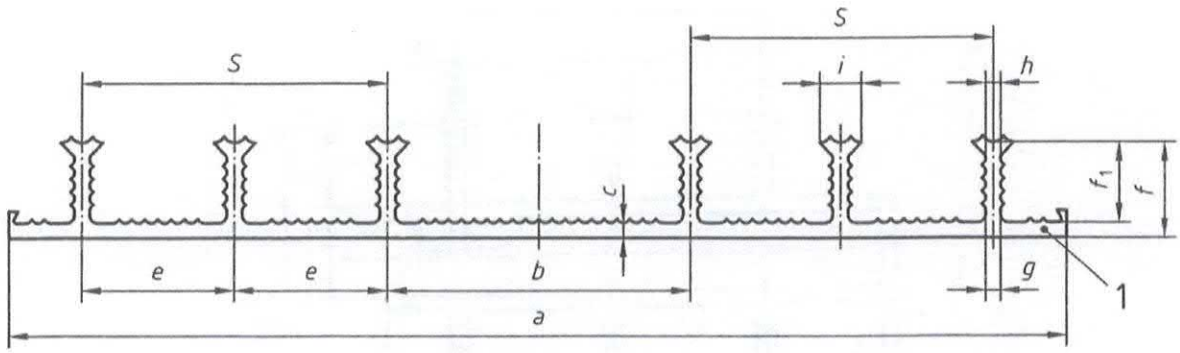


Image A4: Cross-section

Table A4: Actual and (minimum) dimensions [mm] of joint tapes, type AA, bitumen-compatible (BV) or non-bitumen-compatible (NB)

Designation	Width		Thickness	Profiling						
	a	b	c	N	e	f	f_1	g	h	i
AA 190/17	190.0	80.0	3.5	4	35.0	17.0	13.5	3.7	3.7	11.0
	(188.0)	(78.5)	(3.1)	(4)	(33.5)	(16.0)	(12.9)	(3.5)	(3.5)	(10.0)
AA 240/20	240.0	80.0	4.0	4	60.0	20.0	16.0	4.0	4.0	11.0
	(238.0)	(78.5)	(3.8)	(4)	(58.5)	(19.0)	(15.2)	(3.5)	(3.5)	(10.0)
AA 240/25	240.0	80.0	4.0	4	60.0	25.0	21.0	4.0	4.0	11.0
	(238.0)	(78.5)	(3.8)	(4)	(58.5)	(24.5)	(20.7)	(3.5)	(3.5)	(10.0)
AA 240/35	240.0	84.0	4.0	4	58.0	35.0	31.0	7.0	5.0	11.0
	(238.0)	(84.0)	(3.8)	(4)	(58.0)	(35.0)	(31.0)	(6.0)	(4.5)	(10.0)
AA 320/20	320.0	100.0	4.0	6	45.0	20.0	16.0	4.0	4.0	11.0
	(317.0)	(98.0)	(3.8)	(6)	(43.5)	(19.0)	(15.2)	(3.5)	(3.5)	(10.0)
AA 320/25	320.0	100.0	4.0	6	45.0	25.0	21.0	4.0	4.0	11.0
	(317.0)	(98.0)	(3.8)	(6)	(43.5)	(23.8)	(20.0)	(3.5)	(3.5)	(10.0)
AA 320/35	320.0	100.0	4.0	6	45.0	35.0	31.0	7.0	5.0	11.0
	(317.0)	(98.0)	(3.8)	(6)	(43.5)	(34.0)	(30.2)	(6.0)	(4.5)	(10.0)
AA 500/35	500.0	120.0	4.0	8	55.0	35.0	31.0	7.0	5.0	11.0
	(495.0)	(118.0)	(3.8)	(8)	(53.0)	(33.5)	(29.7)	(6.0)	(4.5)	(10.0)

Abbreviations: Dimensions

- a: Overall width
- b: Width of the expansion component
- c: Tape thickness
- e: Centre distance of the stop anchors
- f: Profile height
- f_1: Height of the stop anchors
- g: Thickness of the stop anchors at the root
- g: Thickness of the stop anchors at the thinnest point
- i: Thickness of the head reinforcement at the stop anchors
- N: Number of stop anchors

Exterior expansion joint tape (type DA)

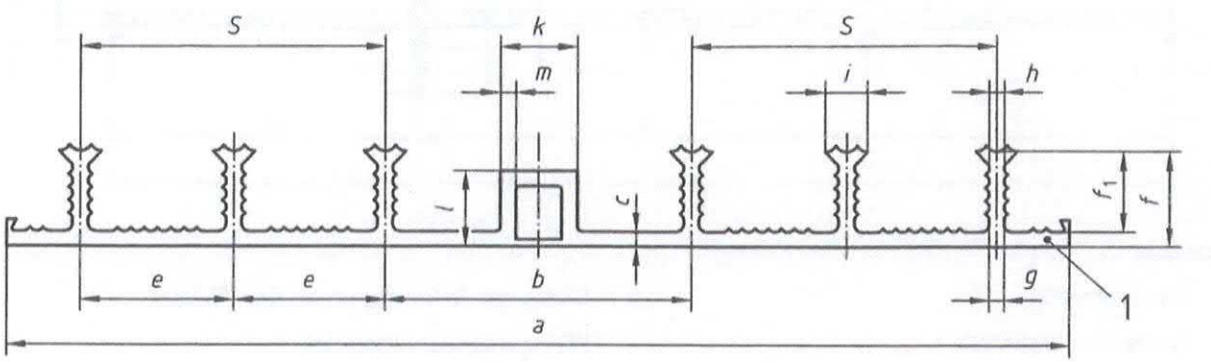


Image A5: Cross-section

Table A5: Actual and (minimum) dimensions [mm] of joint tapes, type DA, bitumen-compatible (BV) or non-bitumen-compatible (NB)

Designation	Width		Thickness	Profiling							Loop		
	a	b	c	N	e	f	f_1	g	h	i	k	l	m
DA 190/17	190.0 (188.0)	80.0 (78.5)	3.7 (3.5)	4 (4)	35.0 (33.5)	17.0 (16.0)	13.3 (12.5)	3.7 (3.5)	3.7 (3.5)	11.0 (10.0)	20.0 (19.0)	17.0 (16.0)	3.7 (3.5)
DA 240/20	240.0 (238.0)	80.0 (78.5)	4.0 (3.8)	4 (4)	60.0 (56.5)	20.0 (19.0)	16.0 (15.2)	4.0 (3.5)	4.0 (3.5)	11.0 (10.0)	20.0 (19.0)	20.0 (19.0)	4.0 (3.5)
DA 240/35	240.0 (238.0)	84.0 (82.5)	4.0 (3.8)	4 (4)	58.0 (56.5)	35.0 (34.0)	31.0 (30.2)	7.0 (6.0)	5.0 (4.5)	11.0 (10.0)	20.0 (19.0)	20.0 (19.0)	4.0 (3.8)
DA 320/20	320.0 (317.0)	100.0 (98.8)	4.0 (3.8)	6 (6)	45.0 (43.5)	20.0 (19.0)	16.0 (15.2)	4.0 (3.5)	4.0 (3.5)	11.0 (10.0)	20.0 (19.0)	20.0 (19.0)	4.0 (3.8)
DA 320/25	320.0 (317.0)	100.0 (98.8)	4.0 (3.4)	6 (6)	45.0 (44.2)	25.0 (24.3)	21.0 (20.9)	5.0 (4.6)	4.0 (3.6)	11.0 (10.0)	20.0 (19.0)	20.0 (19.0)	4.0 (3.6)
DA 320/35	320.0 (317.0)	100.0 (98.0)	4.0 (3.8)	6 (6)	45.0 (44.0)	35.0 (34.2)	31.0 (30.4)	7.0 (6.0)	5.0 (4.5)	11.0 (10.0)	20.0 (19.0)	20.0 (19.0)	4.0 (3.8)
DA 500/35	500.0 (495.0)	120.0 (118.0)	4.0 (3.4)	8 (8)	55.0 (53.0)	35.0 (35.0)	31.0 (31.0)	7.0 (6.0)	4.5 (4.0)	11.0 (10.0)	20.0 (19.0)	20.0 (19.0)	4.0 (3.8)

Abbreviations: Dimensions

- a: Overall width
- b: Width of the expansion component
- c: Tape thickness
- e: Centre distance of the stop anchors
- f: Profile height
- f_1: Height of the stop anchors
- g: Thickness of the stop anchors at the root
- h: Thickness of the stop anchors at the thinnest point
- i: Thickness of the head reinforcement at the stop anchors
- k: Width of the hollow body or loop
- l: Height of the hollow body or loop
- m: Wall thickness of the hollow body or loop at the thinnest point
- N: Number of stop anchors

Joint finishing tape (type FA)

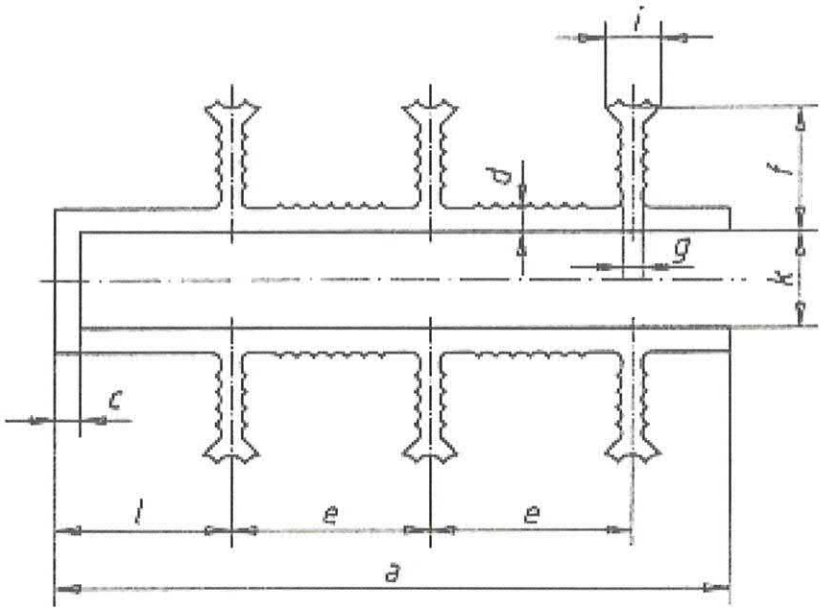


Image A6: Cross-section

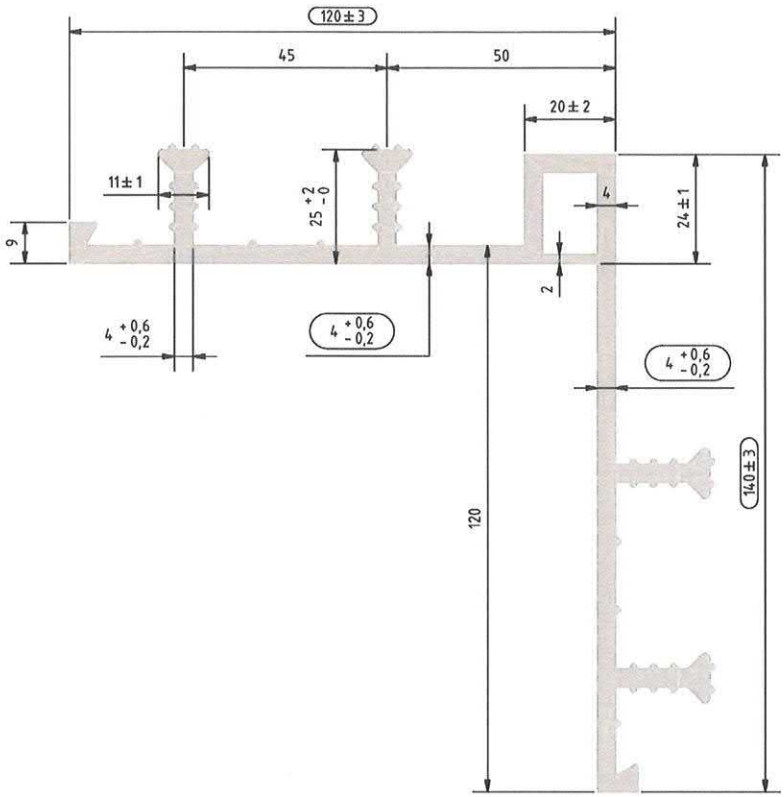
Table A6: Actual and (minimum) dimensions [mm] of joint tapes, type FA, bitumen-compatible (BV) or non-bitumen-compatible (NB)

Designation	Overall width	Thickness		Profiling					Loop	
	a	c	d	N	e	f	g	i	k	l
FA 50/20	54.0 (53.0)	5.0 (4.5)	5.0 (4.5)	2 (2)	- -	28.0 (27.0)	4.5 (4.0)	11.0 (10.0)	20.0 (19.0)	37.5 (36.5)
FA 50/30	50.0 (49.2)	5.0 (4.5)	5.0 (4.5)	2 (2)	- -	38.0 (37.0)	4.5 (4.0)	11.0 (10.0)	20.0 (19.0)	35.0 (34.0)
FA 70/40	70.0 (69.0)	5.0 (4.5)	5.0 (4.5)	2 (2)	- -	45.0 (44.0)	8.5 (7.9)	11.0 (10.0)	20.0 (19.0)	50.0 (48.5)
FA 90/20	90.0 (88.8)	5.0 (4.5)	5.0 (4.5)	(4) (4)	40.0 (39.0)	25.0 (24.0)	5.0 (4.5)	11.0 (10.0)	20.0 (19.0)	35.0 (34.0)
FA 95/30	95.0 (93.8)	5.0 (4.5)	5.0 (4.5)	(4) (4)	45.0 (44.0)	35.0 (34.0)	4.5 (4.0)	11.0 (10.0)	20.0 (19.0)	35.0 (34.0)
FA 130/20	130.0 (128.6)	5.0 (4.5)	5.0 (4.8)	6 (6)	40.0 (39.0)	25.0 (24.0)	5.0 (4.5)	11.0 (10.0)	20.0 (19.0)	35.0 (34.0)

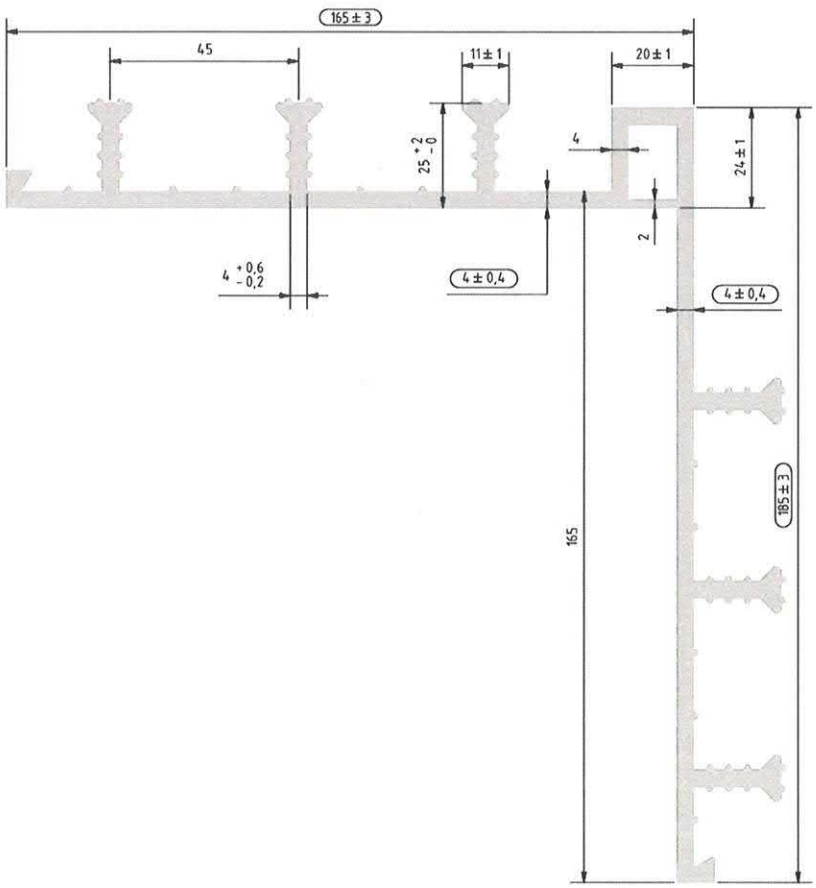
Abbreviations: Dimensions

a: Overall width
c: Thickness of the cover panel
d: Thickness of tape legs
e: Centre distance of the stop anchors
f: Height of the stop anchors
g: Thickness of the stop anchors at the root
i: Thickness of the head reinforcement at the stop anchors
k: Width of the hollow body or loop
l: Height of the hollow body or loop
N: Number of stop anchors

Corner joint tape PVC-P BV/NB DA 120/120 EA



Corner joint tape PVC-P BV/NB DA 165/165 EA



Manufacturer's processing instructions (overlap welding)

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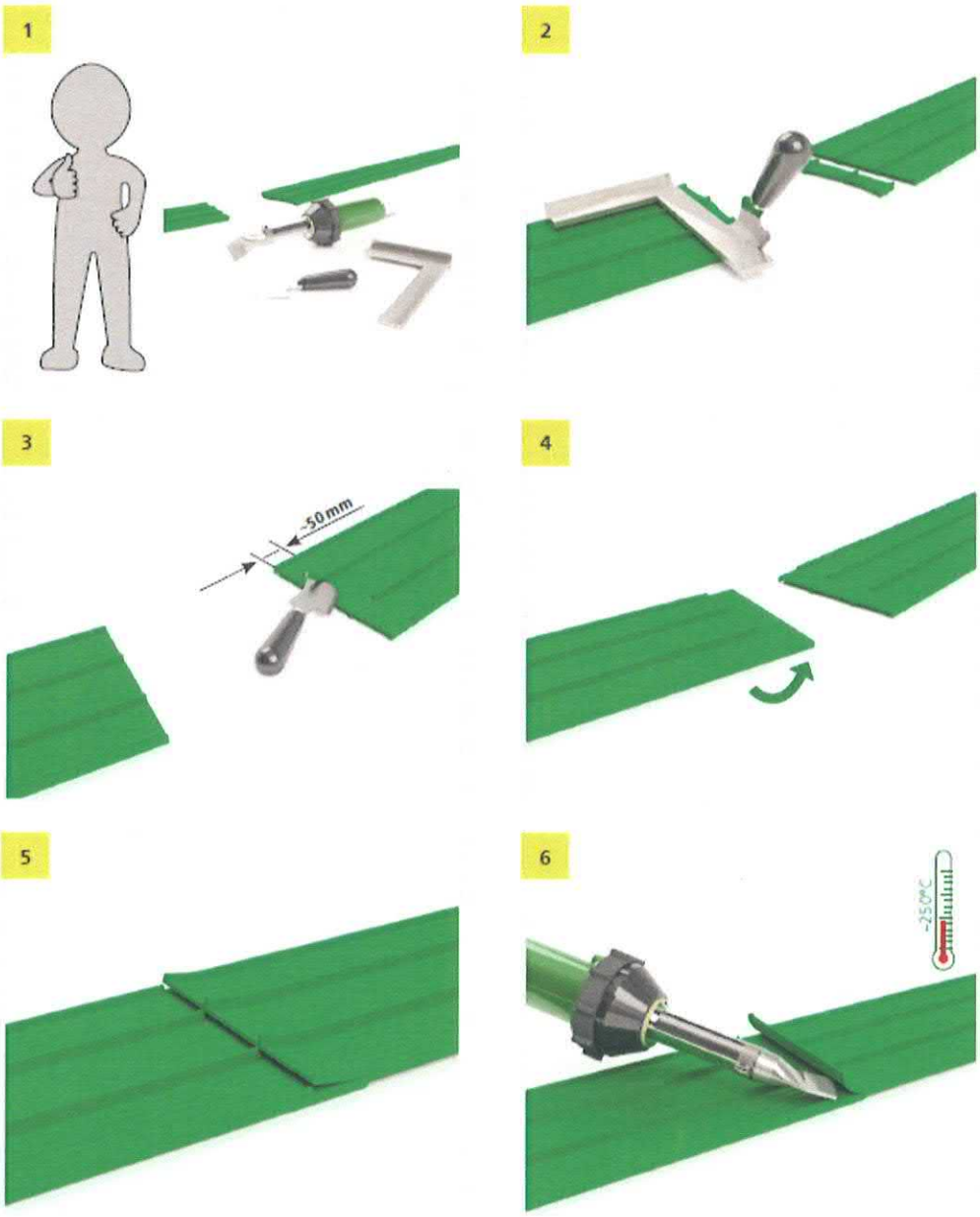

Manufacturer's processing instructions (overlap welding)

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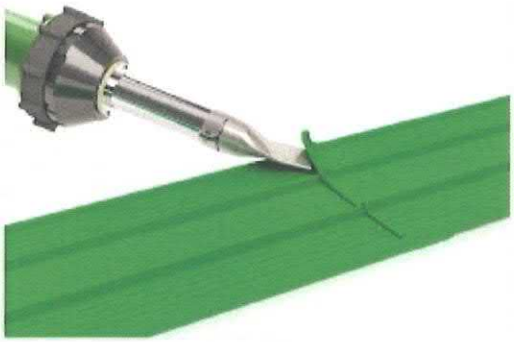

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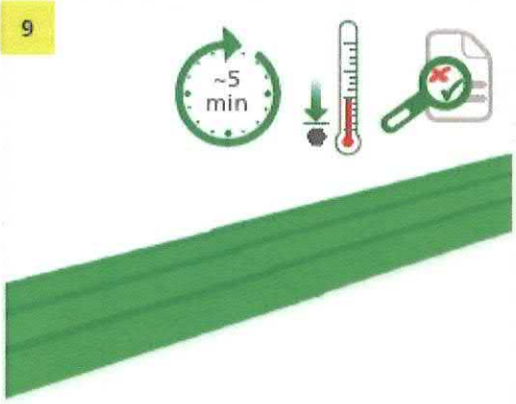

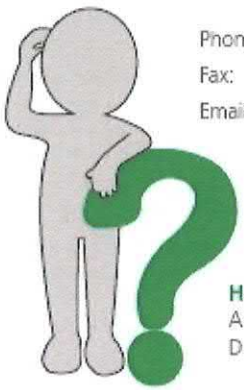

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