

Approval body for construction products
and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and
Laender Governments



European Technical Assessment

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General Part

Technical Assessment Body issuing the
European Technical Assessment:

Deutsches Institut für Bautechnik

Trade name of the construction product

Joint sealing tape "ISO-BLOCO 300"

Product family
to which the construction product belongs

Impregnated joint sealing tape made of foamed
polyurethane for sealing joints around windows and in
facades

Manufacturer

ISO-Chemie GmbH
Röntgenstraße 12
73431 Aalen
DEUTSCHLAND

Manufacturing plant

ISO-Chemie GmbH
Röntgenstraße 12
73431 Aalen
DEUTSCHLAND

This European Technical Assessment
contains

7 pages including 3 annexes which form an integral part
of this assessment

This European Technical Assessment is
issued in accordance with Regulation (EU)
No 305/2011, on the basis of

EAD 320001-00-0605

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Specific part

1 Technical description of the product

The joint sealing tape "ISO BLOCO 300" consists of an impregnated, pre-compressed tape of polyurethane flexible foam. It is pre-compressed and with laminated single-sided self-adhesive foil.

The joint sealing tape "ISO BLOCO 300" shows different dimensions as to width and thickness depending on the intended dimensions of the joint. It is delivered in various lengths on spools.

The technical data and dimensions/sizes of the joint sealing tape "ISO BLOCO 300" are given in Annex A1/A2.

2 Specification of the intended use in accordance with the applicable EAD

The joint sealing tape is used for sealing joints around windows and joints in building façades against penetration of driving rain and air.

In the technical file the manufacturer give information concerning the substrates which the product is suitable for and on how these substrates shall be pre-treated.

The verification and assessment methods on which this European Technical Assessment is based lead to the assumption of working life of the product of 10 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

The levels of use categories and performances given in Section 3 are only valid if the sealing tape is used in compliance with the specifications and conditions given in Annex B and the installation instructions of the manufacturer stated in the technical file.

3 Performance of the product and references to the methods used for its assessment

3.1 Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	See Annex A1

3.2 Hygiene, health and the environment (BWR 3)

Essential characteristic	Performance
Driving rain resistance	See Annex A1
Water vapour permeability	See Annex A1
Air permeability of joints	See Annex A1
Resistance to effects of high and low surface temperatures	See Annex A1
Resistance to the effects of actions of UV radiation in the presence of moisture	See Annex A1
Resistance to heat ageing	See Annex A1
Compatibility with adjoining construction	See Annex A1

3.3 General aspects

The verification of durability and serviceability is part of testing the essential characteristics. Durability and serviceability is only ensured if the specifications of intended use according to Annex B and the specifications of the technical file of the manufacturer are kept.

4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base

In accordance with EAD No. 320001 00 0605, the applicable European legal act is: [98/436/EC]. The system to be applied is: 4 except for uses subject to regulations on reaction to fire performance.

For uses subject to regulations on reaction to fire the system to be applied is: 3

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with Deutsches Institut für Bautechnik.

Issued in Berlin on 4 February 2019 by Deutsches Institut für Bautechnik

Dr.-Ing. Lars Eckfeldt
p. p. Head of Department

beglaubigt:
Gnamou

ISO-BLOCO 300, pre-compressed sealing tapes



Applicable for "ISO-BLOCO 300"

Reaction to fire	EN 13501-1	class E
driving rain resistance	DIN EN 1027	tight up to 300 Pa; class 7a EN 12208
air permeability of joints	DIN EN 1026	$a \leq 1,0 \text{ m}^3/[\text{h m (daPa)}^n]$; at least class 4 EN 12207
Resistance to water vapour diffusion	EN ISO 12572	$\mu \leq 100$
Resistance to effects of high and low surface temperatures		Pass for -30°C to 90° C
Resistance to the effects of actions of UV radiation in the presence of moisture		pass
Resistance to heat ageing		pass
Compatibility with adjoining construction		pass for aluminium, concrete, facing brick, calcareous sandstone, pinewood with coating, pinewood without coating, white PVC or comparable building materials, stainless steel, bare steel, galvanized, zinc, copper, acrylic glass (PMMA), anodized aluminium

Joint sealing tape "ISO-BLOCO 300"
ISO-Chemie GmbH

System built-up and performances of the product

Annex A1

ISO-BLOCO 300, pre-compressed sealing tapes

Dimensions/sizes

Type	Joint depth ¹ in mm	Allowable for joint width ² in mm
8 / 1-2	8	1 - 2
10 / 1-2	10	
15 / 1-2	15	
20 / 1-2	20	
25 / 1-2	25	
30 / 1-2	30	
40 / 1-2	40	
50 / 1-2	50	
10 / 1-4	10	1 - 4
15 / 1-4	15	
20 / 1-4	20	
25 / 1-4	25	
30 / 1-4	30	
40 / 1-4	40	
50 / 1-4	50	
12 / 2-6	12	2 - 6
15 / 2-6	15	
20 / 2-6	20	
25 / 2-6	25	
30 / 2-6	30	
40 / 2-6	40	
50 / 2-6	50	
15 / 4-9	15	4 - 9
20 / 4-9	20	
25 / 4-9	25	
30 / 4-9	30	
40 / 4-9	40	
50 / 4-9	50	

Type	Joint depth ¹ in mm	Allowable for joint width ² in mm
15 / 5-12	15	5 - 12
20 / 5-12	20	
25 / 5-12	25	
30 / 5-12	30	
40 / 5-12	40	
50 / 5-12	50	
15 / 6-15	15	
20 / 6-15	20	
25 / 6-15	25	
30 / 6-15	30	
40 / 6-15	40	
50 / 6-15	50	
20 / 9-20	20	9 - 20
25 / 9-20	25	
30 / 9-20	30	
40 / 9-20	40	
50 / 9-20	50	
20 / 11-25	20	11 - 25
25 / 11-25	25	
30 / 11-25	30	
40 / 11-25	40	
50 / 11-25	50	

¹ height of sealing tape

² joint width including possible movement

Joint sealing tape "ISO-BLOCO 300"
ISO-Chemie GmbH

Dimensions and Sizes

Annex A2

Installation

The levels of use scenario and the performances of the joint sealing tape can be assumed only, if the installation is carried out according to the installation instructions stated in the technical file of the manufacturer, in particular taking account of the following points:

- installation by appropriately trained personnel
- installation of only those components which are marked components of the kit
- installation with the required tools and adjuvants
- precautions during installation
- inspecting compliance with suitable weather conditions
- inspections during installation and of the finished product and documentation of the results

Joint sealing tape "ISO-BLOCO 300" ISO-Chemie GmbH	Annex B
Intended use Specifications	