

Approval body for construction products
and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and
Laender Governments



European Technical Assessment

ETA-08/0249
of 29 October 2015

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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-MEMBRA SX"

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 2 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

European Assessment Document (EAD)
320001-00-0605 "Joint sealing tape on the basis of a pre-
compressed flexible polyurethane foam for sealing around
windows and joints in building facades"

This version replaces

ETA-08/0249 issued on 29 September 2008

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Specific Part

1 Technical description of the product

The joint sealing tape "ISO-MEMBRA SX" is a product made of a flexible impregnated pre-compressed polyurethane foam.

The joint sealing tape shows different dimensions as to width and thickness with a different performance depending on the dimensions and movement capacity of the joint of the construction. For installation purposes they are delivered in various lengths on spools, pre-compressed and with laminated single-sided self-adhesive foil.

The technical data and dimensions/sizes of the joint sealing tape "ISO-MEMBRA SX" are given in Annex A.

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

The joint sealing tape is used to seal joints around non-metallic windows and joints in non-metallic building façades to resist penetration of water and air.

The single-sided self-adhesive foil serves as installation assistance.

In the technical file the manufacturer gives 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 Mechanical resistance and stability (BWR 1)

Not applicable

3.2 Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	See Annex A

3.3 Hygiene, health and the environment (BWR 3)

Essential characteristic	Performance
Watertightness	See Annex A
Content and/or release of dangerous substances:	
Foil with self adhesive	Components not assessed regarding national regulations expressed in EOTA TR 034
All other components	The chemical composition of the product has to be in compliance with the composition deposited at the Technical Assessment Body (DIBt). The product does not contain dangerous substances according to EOTA TR 034 (version October 2014), except: VOC, SVOC: The release of dangerous substances to indoor air is not verified with this ETA.
Driving rain resistance	See Annex A
Water vapour permeability	See Annex A
Air permeability of joints	See Annex A
Resistance to effects of high and low surface temperatures	See Annex A

3.4 Safety and accessibility in use (BWR 4)

Not applicable

3.5 Protection against noise (BWR 5)

Not applicable

3.6 Energy economy and heat retention (BWR 6)

Not applicable

3.7 Sustainable use of natural resources (BWR 7)

For the sustainable use of natural resources no performance was investigated for this product.

3.8 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.

Essential characteristic	Performance
Resistance to the effects of actions of UV radiation in the presence of moisture	See Annex A
Resistance to heat ageing	See Annex A
Compatibility with adjoining construction	See Annex A

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

According to Decision of the Commission of 22 June 1998 (98/436/EC) (OJ L 194 of 10.07.98, p. 30), as amended by Decision of the Commission of 8 January 2001 (2001/596/EC) (OJ L 209 of 02.08.2001, p. 33), the system of assessment and verification of constancy of performance (see Annex V and Article 65 Paragraph 2 to Regulation (EU) No 305/2011) given in the following table applies.

Product	Intended use(s)	Level or class	System
impregnated pre-compressed joint sealing tapes	For uses subject to reaction to fire	F	4
	All other roof waterproofing uses (all other characteristics)	—	4

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

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

Issued in Berlin on 29 October 2015 Deutsches Institut für Bautechnik

Wolfgang Misch
p. p. Head of Department

beglaubigt:
Hemme

ISO-MEMBRA SX, pre-compressed sealing tapes



Reaction to fire	EN 13501-1	Class F
Use scenario related to BWR 3		IA 2, SW 2
Content and/or releases of dangerous substances		see section 3.3
Driving rain resistance	EN 1027	$\Delta p > 600 \text{ Pa}$; at least class 9a DIN EN 12208
Water vapour diffusion resistance	EN ISO 12572	Foam: $\mu = 4$
Air permeability	EN 1026	$a \leq 0.1 \text{ m}^3/[\text{h m (daPa)n}]$; at least class 2 DIN EN 12207
Resistance to the effects of high and low surface temperatures		Pass for -20°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 concrete, facing bricks, sand-lime brick, spruce wood with paint coating (watersoluble), wood with transparent ink coating (watersoluble), PVC-profile of windows

	Type	Joint depth / Foam depth t_f in mm	Allowable for joints width in mm for use scenario (B_{\min} - B_{\max})
ISO-MEMBRA SX	10/1-4	10	1 - 4
	15/3-9	15	3 - 9
	15/5-12	15	5 - 12
	20/5-12	20	5 - 12
	20/6-18	20	6 - 18

Joint sealing tape "ISO-MEMBRA SX"
ISO-Chemie GmbH

Dimensions and Sizes

Annex A

Installation

The levels of use categories 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 and curing conditions,
- inspections during installation and of the finished product and documentation of the results.

Joint sealing tape "ISO-MEMBRA SX" ISO Chemie GmbH	Annex B
Intended use Specifications	