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to Article 29 of the Regulation (EU)  
No 305/2011 of the European  
Parliament and of the Council of 9  
March 2011

MEMBER OF EOTA



## European Technical Assessment ETA-18/0068 of 2018-03-08

### I General Part

**Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S**

**Trade name of the construction product:**

Joint sealing tape illbruck TP 600 illmod 600

**Product family to which the above construction product belongs:**

Joint sealing tape on the basis of a pre-compressed flexible impregnated polyurethane foam for sealing around windows and joints in building facades

**Manufacturer:**

tremco illbruck Produktion GmbH  
Werner-Haepf-Str. 1  
DE-92439 Bodenwöhr  
Tel +49 2203 57550 0  
Fax +49 2203 57550 90  
www.tremco-illbruck.com

**Manufacturing plant:**

tremco illbruck Produktion GmbH  
Werner-Haepf-Str. 1  
DE-92439 Bodenwöhr

**This European Technical Assessment contains:**

6 pages including 1 annex which form an integral part of the document

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

European Assessment Document (EAD) no. EAD 320001-00-0605 for Joint sealing tape based on a pre-compressed flexible polyurethane foam for sealing around windows and joints in building facades

**This version replaces:**

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## **II SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT**

### **1 Technical description of product and intended use**

#### **Technical description of the product**

The pre-compressed joint sealing tape illbruck TP 600 illmod 600 is a tape made of polyurethane flexible foam and with acrylic dispersion impregnation.

The joint sealing tape is supplied in a pre-compressed thickness of 0,8 mm to 17,6 mm and different widths depending on the intended dimensions of the joints. For installation purposes they are delivered in various lengths on rolls, pre-compressed and with laminated single-sided self-adhesive film, which serve as installation assistance.

The compressed sealing tape is protected from UV by a cover foil mounted on the external side of the roll.

See annex A for further information.

### **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 contact building materials may be aluminium, concrete, facing brick, calcareous sandstone, pinewood with or without covering coating and white PVC or comparable building materials.

The function of sealing tapes remains for high temperatures up to 80 °C and for low temperatures down to -30 °C.

The provisions made in this European technical assessment are based on an assumed working life of the shuttering kit of at least 10 years.

The indications given on the working life cannot be interpreted as a guarantee given by the producer or Assessment Body, 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.

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

#### **3.1 Characteristics of product**

##### **Safety in case of fire (BWR 2):**

The essential characteristics are detailed in Annex A.

##### **Hygiene, health and the environment (BWR3):**

The sealing tape does not contain/release dangerous substances specified in TR 034, dated April 2013

##### **Safety in use (BWR4):**

The essential characteristics are detailed in the Annex A.

##### **Sustainable use of natural resources (BWR7)**

No performance determined

Other Basic Requirements are not relevant.

#### **3.2 Aspects related to the performance of the product**

The product shows the characteristic values with respect to the permissible tolerances which are stated in the annex A to this ETA.

According to the European Assessment Document (EAD) no. EAD 320001-00-0605 for Joint sealing tape on the basis of a pre-compressed flexible polyurethane foam for sealing around windows and joints in building facades, the assessed values of the product lead to the result that the product can be used for sealing joints around windows and joints in building façades against penetration of driving rain and air. The function of the product remains watertight between high temperature up to 80 °C and low temperatures up to -30 °C under ambient weather conditions.

The driving rain resistance in both joints and braces of joints is classified according to EN 12208 in class 9A ( $\geq 600$  Pa).

The joint sealing tape has a joint permeability coefficient at 10 Pa of  $\leq 1,0 \text{ m}^3/\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}$

The water vapour diffusion factor  $\mu$  is = 3,8.

#### **4 Attestation and verification of constancy of performance (AVCP)**


##### **4.1 AVCP system**

According to the decision 2003/656/EC of the European Commission, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) is 4.

#### **5 Technical details necessary for the implementation of the AVCP system, as foreseen in the applicable EAD**

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at ETA-Danmark prior to CE marking

Issued in Copenhagen on 2018-03-08 by



Thomas Bruun  
Manager, ETA-Danmark

**Annex A****Technical data**

	Standard	Classification
Driving rain resistance	EN 1027	Tight in both joints and braces of joints up to 600 Pa; class 9A according to EN 12208
Air permeability of joints	EN 1026	joint permeability coefficient at 10 Pa of $\leq 1,0 \text{ m}^3/\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}$ according to EN 12207
Resistance to water vapour diffusion	EN ISO 12572	$\mu = 3,8$
Resistance to change in temperature	EAD 320001-01-0605	The re-deformation is the nominal joint width + 50 % ( $\geq 1,5b_N$ ).
Resistance to UV and moisture	EAD 320001-01-0605	No visible leakage of the impregnating agent. Re-deformation of the sealing tape 6 h after opening the test specimen is at least the maximum joint width ( $\geq b_{\text{max}}$ ).
Resistance to heat ageing	EAD 320001-01-0605	Nominal joint width + 50 % ( $\geq 1,5 b_N$ ) is reached
Compatibility with adjoining construction materials	EAD 320001-01-0605	The sealing tape is compatible with materials mentioned in II.1

**Dimensions**

Tape dimension	Width of tape, $t_F$	Minimum joint width, $b_{\text{min}}$	Maximum joint width, $b_{\text{max}}$
8/1-2	8	1	2
10/2-3	10	2	3
12/3-7	12	3	7
15/4-10	15	4	10
15/5-12	15	5	12
20/7-15	20	7	15
20/9-18	20	9	18
30/12-24	30	12	24
35/16-32	35	16	32
40/22-40	40	22	40

**Applicable for illbruck TP 600 illmod 600:**

Assumed intended working life: 10 years  
 Reaction to fire (EN 13501-1): No performance assessed  
 Statement on dangerous substances: The product does not contain/release dangerous substances specified in TR 034

**Information for users:**

The reaction to fire was tested in accordance with DIN 4102-1. Classification is done in class B1.