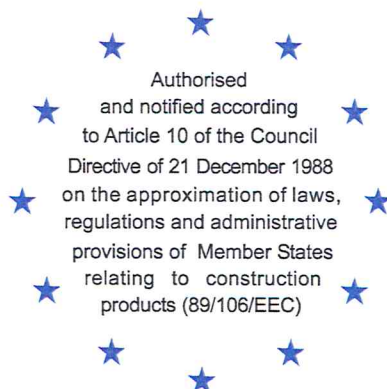


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DIBt

Mitglied der EOTA
Member of EOTA

European Technical Approval ETA-05/0058

English translation prepared by DIBt - Original version in German language

Handelsbezeichnung
Trade name

Fugendichtband "illbruck illmod 600"
Joint sealing tape "illbruck illmod 600"

Zulassungsinhaber
Holder of approval

Tremco illbruck Produktion GmbH
Werner-Haepf-Straße 1
92439 Bodenwöhr
DEUTSCHLAND

**Zulassungsgegenstand
und Verwendungszweck**

Fugendichtbänder:
Fugendichtband auf Basis von imprägniertem PU-
Weichschaum zur Abdichtung von Fugen im Fenster- und
Fassadenbereich

*Generic type and use
of construction product*

*Sealing kits, profiles and strips usually made of foamed polyurethane,
plastic impregnated bitumen or butyl:
Impregnated joint sealing tape made of foamed polyurethane for sealing
joints around windows and in facades*

Geltungsdauer: vom
Validity: from
bis
to
verlängert vom
extended from
bis
to

18 April 2005

18 April 2010

19 April 2010

18 April 2015

Herstellwerk
Manufacturing plant

Tremco illbruck Produktion GmbH
Werner-Haepf-Straße 1
92439 Bodenwöhr

Diese Zulassung umfasst
This Approval contains

7 Seiten einschließlich 1 Anhang
7 pages including 1 annex



Europäische Organisation für Technische Zulassungen
European Organisation for Technical Approvals

I LEGAL BASES AND GENERAL CONDITIONS

- 1 This European technical approval is issued by Deutsches Institut für Bautechnik in accordance with:
 - Council Directive 89/106/EEC of 21 December 1988 on the approximation of laws, regulations and administrative provisions of Member States relating to construction products¹, modified by Council Directive 93/68/EEC² and Regulation (EC) N° 1882/2003 of the European Parliament and of the Council³;
 - Gesetz über das In-Verkehr-Bringen von und den freien Warenverkehr mit Bauprodukten zur Umsetzung der Richtlinie 89/106/EWG des Rates vom 21. Dezember 1988 zur Angleichung der Rechts- und Verwaltungsvorschriften der Mitgliedstaaten über Bauprodukte und anderer Rechtsakte der Europäischen Gemeinschaften (Bauprodukten-gesetz - BauPG) vom 28. April 1998⁴, as amended by law of 31 October 2006⁵;
 - Common Procedural Rules for Requesting, Preparing and the Granting of European technical approvals set out in the Annex to Commission Decision 94/23/EC⁶.
- 2 Deutsches Institut für Bautechnik is authorized to check whether the provisions of this European technical approval are met. Checking may take place in the manufacturing plant. Nevertheless, the responsibility for the conformity of the products to the European technical approval and for their fitness for the intended use remains with the holder of the European technical approval.
- 3 This European technical approval is not to be transferred to manufacturers or agents of manufacturers other than those indicated on page 1, or manufacturing plants other than those indicated on page 1 of this European technical approval.
- 4 This European technical approval may be withdrawn by Deutsches Institut für Bautechnik, in particular pursuant to information by the Commission according to Article 5(1) of Council Directive 89/106/EEC.
- 5 Reproduction of this European technical approval including transmission by electronic means shall be in full. However, partial reproduction can be made with the written consent of Deutsches Institut für Bautechnik. In this case partial reproduction has to be designated as such. Texts and drawings of advertising brochures shall not contradict or misuse the European technical approval.
- 6 The European technical approval is issued by the approval body in its official language. This version corresponds fully to the version circulated in EOTA. Translations into other languages have to be designated as such.

¹ Official Journal of the European Communities N° L 40, 11 February 1989, p. 12

² Official Journal of the European Communities N° L 220, 30 August 1993, p. 1

³ Official Journal of the European Union N° L 284, 31 October 2003, p. 25

⁴ *Bundesgesetzblatt Teil I* 1998, p. 812

⁵ *Bundesgesetzblatt Teil I* 2006, p.2407, 2416

⁶ Official Journal of the European Communities N° L 17, 20 January 1994, p. 34

II SPECIFIC CONDITIONS OF THE EUROPEAN TECHNICAL APPROVAL

1 Definition of product and intended use

1.1 Definition of product

The European technical approval is issued for impregnated pre-compressed joint sealing tapes of flexible polyurethane.

For the use in joints with different dimensions the joint sealing tapes show different dimensions for width and thickness. For installation they are delivered in various lengths on spools. They are pre-compressed and with laminated single-sided self-adhesive foil, which serve as installation assistance.

1.2 Intended use of the construction product

The product serves to seal joints around windows and joints in building façades to resist penetration of rainwater and air. The contact building materials may be aluminium, concrete, facing brick, calcareous sandstone, pinewood with covering or not covering coating and white PVC or comparable building materials.

The sealing function of the product is given for high temperature up to 80 °C and for low temperatures down to -30 °C.

The verifications which are the basis of this ETA give reason for the assumption of an intended working life of the product of at least 10 years, provided that the product is subject to appropriate installation, use and maintenance.⁷

The indications given on the working life of a product cannot be interpreted as a guarantee given by the producer, but are regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

2 Characteristics of the product

The product shows the characteristic values with respect to the permissible tolerances which are stated in the manufacturer's technical dossier⁸ (MTD) to this ETA.

The manufacturer declares the values and the permissible tolerances for the required characteristics of the product in the MTD. The permissible tolerance does not affect the characteristics of the product and the assembled system negatively.

The chemical composition, the characteristic values of the product and the manufacturing methods are confidential and deposited with DIBt.

Requirements concerning safety in case of fire, health and the environment, and safety in use as well as durability in the sense of the essential requirements N° 2 to N° 4 of the Directive 89/106/EEC will be satisfied.

The performance of the reaction to fire behavior of the product leads to the classification in class F according to EN 13501-1⁹.

⁷ These provisions are based upon the current state of the art and the available knowledge and experience. "Assumed intended working life" means that it is expected that, when this working life has elapsed, the real working life may be, under normal use conditions, considerably longer without major degradation affecting the essential requirements.

⁸ The manufacturer's technical dossier (MTD) comprises all information necessary for the production, the installation and the maintenance of the product. It was checked by DIBt and it was found to be in accordance with the conditions stated in the approval and the characteristic values determined during the approval testing.

⁹ EN 13501-1:2007 "Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests"

According to the manufacturer's declaration the roof waterproofing taking account of the EU database¹⁰ does not contain any dangerous substances.

Within the scope of this approval there may be other requirements applicable to dangerous substances resulting from transposed European legislation or applicable national laws, regulations and administrative provisions.

There may be other requirements applicable to the products resulting from other applicable national laws, regulations and administrative provisions and transposed European legislation.

These requirements need also to be complied with, when and where they apply.

The property values of the product and the assembled system, which are verified by the approval test, are given in Annex 1. An evaluation oriented at the intended use of the watertight membrane can be carried out by the user taking into account national requirements.

3 Attestation of conformity of the product and CE marking

3.1 System of attestation of conformity

According to the communication of the European Commission¹¹ system 4 of the attestation of conformity (Annex III, clause 2(ii) third possibility of Directive 89/106/EC) applies as laid down in the decision 2003/656/EC. In addition system 1, 3 or 4 applies with regard to reaction to fire.

Because reaction to fire is classified with class F, system 4 applies for all product characteristics.

The AoC system 4 provides:

Tasks for the manufacturer:	factory production control, initial type-testing of the product.
Tasks for the notified body:	no tasks

3.2 Responsibility

3.2.1 Tasks for the manufacturer

3.2.1.1 Factory production control

The manufacturer shall exercise permanent internal control of production. All the elements, requirements and provisions adopted by the manufacturer shall be documented in a systematic manner in the form of written policies and procedures. This production control system shall ensure that the product is in conformity with this European technical approval.

The factory production control shall be in accordance with the appropriate part of the control plan¹². The control plan is laid down in the context of the factory production control system operated by the manufacturer.

Details concerning extent, type and frequency of the tests or inspections to be performed within the scope of the factory production control shall correspond to the control plan.

The manufacturer may only use initial materials according to the MTD. He shall inspect or control the initial materials on acceptance according to the control plan.

¹⁰ Notes are stated in Guidance Paper H: "A harmonized approach relating to dangerous substances under the Construction Products Directive", Brussels, 18 February 2000

¹¹ Letter of the European Commission of 12. September 2003

¹² The control plan is a confidential part of the MTD; it contains the required information on the factory production control and on the initial type-testing. As far as this is relevant to the tasks of the notified body involved in the procedure of attestation of conformity the control plan will be handed over to the notified body.

The factory production control follows the identifying properties of the components as specified in the MTD.

The results of the factory production control shall be recorded and evaluated. The records shall include at least the following information:

- Name of the product and of the initial materials,
- type of inspection or control,
- date of manufacture of the product, batch N° if needed, and date of inspection or control of the product or of the initial materials,
- result of inspections or controls and, as far as applicable, comparison with the requirements,
- signature of the person responsible for the factory production control.

The records shall be kept for at least five years. On request they shall be presented to DIBt.

3.2.1.2 Initial type-testing of the product

The initial type-testing has to be done according the appropriate part of the control plan to this ETA and the observance of the required property values shall be ascertained by the manufacturer.

The verifications underlying this ETA have been furnished on samples from the current production, these will replace the initial type-testing.

After changing the production process or starting the production in another manufacturing plant the initial type-testing shall be repeated.

In this case the necessary initial type-testing shall be carried out according to the provisions of the control plan

3.3 CE marking

The CE marking¹³ shall be affixed on the packaging of the product or its accompanying documents. In addition to the initials "CE" the following information shall be given:

- Name or identifying mark of the manufacturer and of the factory,
- the last two digits of the year in which the CE marking was affixed,
- number of the European technical approval,
- Reference to characteristics according Annex 1: "Declared values of the product see Annex 1 of ETA-05/0058".

4 Assumptions under which the fitness for use of the product is given

4.1 Manufacture

The product is factory-made according to the procedure laid down in the MTD.

The ETA is issued for the product on the basis of the product composition deposited with DIBt. Changes to the product or in the production process of the product, which could result in the production process and/or the properties of the product deposited being incorrect should be notified to DIBt before the changes are introduced. DIBt will decide whether or not such changes affect the ETA and consequently the validity of the CE marking on the basis of the ETA and if so whether further assessment/alterations to the ETA shall be necessary.

¹³ Notes on the CE marking are stated in Guidance Paper D "CE marking under the Construction Products Directive", Brussels, 1 August 2002.

4.2 Design and dimensioning

Annex 1 gives the dimensioning of the product for the operating rate of joint width. The highest and lowest value includes possible movements of the joint width due to influence of temperature.

The supplementing statements of the manufacturer stated in the MTD for dimensioning and installation of the product shall be considered.

4.3 Installation

In the MTD to this European technical approval (ETA) the manufacturer gave information on how to install the product.

The fitness for use of the product can be assumed only, if the installation is carried out according to the installation instructions stated in the MTD by the manufacturer, in particular taking account of the following points:

- installation by appropriately trained personnel,
- installation with the required tools and adjuvants,
- precautions during installation,
- inspecting compliance with suitable weather conditions,
- inspections during installation of the product and documentation.

The information as to

- method of repair on site,
- handling of waste products

shall be observed.

4.4 Manufacturer's responsibilities

It is the manufacturer's responsibility to make sure that all those who use the product will be appropriately informed about the specific conditions according to sections 1, 2, 4, and 5 including the Annex to this ETA and the not confidential parts of the MTD deposited to this ETA.

5 Information by the manufacturer

5.1 Information on packaging, transportation and storage

Information on:

- Packaging
- transportation and
- storage

are given in the MTD.

5.2 Information on use, maintenance and repair

Information on:

- Use
- maintenance
- repair

are given in the MTD.

Dipl.-Ing. U. Bender
Berlin, 19 April 2010

beglaubigt:
Dipl.-Ing. B. Hemme

DEUTSCHES INSTITUT FÜR BAUTECHNIK

illbruck illmod 600, pre-compressed sealing tapes



Technical data

Characteristics	standard	classification
driving rain resistance	DIN EN 1027	tight up to 600 Pa; class 9A EN 12208
air permeability of joints	DIN EN 1026	$a \leq 0,1 \text{ m}^3/[\text{h m (daPa)}^n]$; at least class 2 EN 12207
Resistance to water vapour diffusion	EN ISO 12572	$\mu \leq 100$
Assumed intended working life		at least 10 years
Reaction to fire	EN 13501-1	class F
Statement on dangerous substances		does not contain any

Dimensions/sizes

Type	Joint depth ¹ in mm	Operating range ² of joint width in mm
illmod 600 / 2	8	2
	10	
	15	
	20	
illmod 600 / 3	8	3
	10	
	15	
	20	
illmod 600 / 3 - 7	12	3 - 7
	15	
	20	
illmod 600 / 5 - 10	15	5 - 10
	20	

Type	Joint depth in mm	Operating range ² of joint width in mm
illmod 600 / 7 - 12	15	7 - 12
	20	
illmod 600 / 8- 15	20	8 - 15
	30	
illmod 600 / 10-18	20	10 - 18
	25	
	30	
illmod 600 / 13 - 24	30	13 - 24
	40	
illmod 600 / 17 - 32	35	17 - 32
	40	
illmod 600 / 28 - 40	40	28 - 40
	50	

¹ height of sealing tape

² allowable joint width and movement of joint

Tremco illbruck Produktion GmbH
Werner-Hoepp-Straße 1
92439 Bodenwöhr
Germany

illbruck illmod 600

pre-compressed
sealing tape for joints around
windows and joints in façades

Annex 1

to European technical
approval ETA-05/0058
dated 19 April 2010