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Anstalt des öffentlichen Rechts

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DIBt

Mitglied der EOTA

European Technical Approval

ETA-05/0058

English translation prepared by DIBt – Original version in German

Handelsbezeichnung

Trade name

Fugendichtband "illbruck illmod 600"

Joint sealing tape "illbruck illmod 600"

Zulassungsinhaber

Holder of approval

illbruck Bau-Technik GmbH

**Burscheider Straße 454
51367 Leverkusen
Germany**

Zulassungsgegenstand und Verwendungszweck

*Generic type and use
of construction product*

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

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

Geltungsdauer vom

*Validity from
bis
to*

18. April 2005

18. April 2010

Herstellwerk

Manufacturing plant

illbruck Bau-Technik GmbH

**Werner-Haepf-Straße 1
92439 Bodenwöhr
Germany**

Diese europäische
technische Zulassung umfasst
*This European Technical Approval
contains*

7 Seiten einschließlich 1 Anhang

7 pages including 1 annex



European Organisation for Technical Approvals

Europäische Organisation für Technische Zulassungen

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 the 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 (Bauproduktengesetz - BauPG) vom 28. April 1998⁴; zuletzt geändert durch Gesetz vom 06.01.2004⁵;*
 - Common Procedural Rules for Requesting, Preparing and the Granting of European Technical Approvals set out in the Annex of Commission Decision 94/23/EC⁶;
 - CUAP ("Common Understanding of Assessment Procedure") "Sealing kits, profiles and strips usually made of foamed polyurethane, plastic impregnated bitumen, or butyl", version February 2003, ETA request N° 06.05/01.
- 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.
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- 6 The European Technical Approval is issued by the approval body in its official language. This version corresponds to the version circulated within EOTA. Translations into other languages have to be designated as such.

1 Official Journal of the European Communities N° L 40, 11.02.1989, p. 12

2 Official Journal of the European Communities N° L 220, 30.08.1993, p. 1

3 Official Journal of the European Union N° L 284, 31.10.2003, p. 1

4 *Bundesgesetzblatt I, p. 812,*

5 *Bundesgesetzblatt I, p. 2, 15*

6 Official Journal of the European Communities N° L 17, 20.01.1994, 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 refers to impregnated pre-compressed joint sealing tapes of polyurethane flexible foam.

The joint sealing tapes show different dimensions as to width and thickness depending on the intended dimensions of the joints. For installation purposes they are delivered in various lengths on spools, 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 water and air. The contact building materials may be aluminium, concrete, facing brick, calcareous sandstone, pinewood with coating, pinewood without coating and white PVC or comparable building materials. 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.

In the manufacturer's technical dossier⁷ (MTD) to this European technical approval (ETA) the manufacturer gave information on how to apply the product.

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. 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.

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.

⁷ The manufacturer's technical dossier (MTD) comprises all information necessary for the production and the processing of the product as well as for the repair. It was checked by DIBt and it was found to be in accordance with the conditions stated in the approval.

The part of the MTD to this ETA to be treated confidentially (inter alia the control plan for factory production control and initial type-testing) is deposited with DIBt and, as far as this is relevant to the tasks of the notified body involved in the procedure of attestation of conformity, shall be handed over to the notified body.

2 Characteristics of the product and methods of verification

2.1 Characteristics of the product

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

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

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.

According to the requirements of the CUAP "Sealing kits, profiles and strips usually made of foamed polyurethane, plastic impregnated bitumen, or butyl", ETA request N° 06.05/01, the verified property 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 as stated in clause 1.2 of the ETA.

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 is classified according to EN 12208 in class 9a (≥ 600 Pa).

The air permeability can be classified according EN 12207 in at least class 2.

The water vapour diffusion factor μ is lower than 100.

2.2 Methods of verification

Assessment of the fitness of the product for the intended use with regard to the essential requirements N° 2 to N° 4 was performed following the CUAP mentioned above.

According to the manufacturer's declaration the product does not contain any dangerous substances taking account of the EU database⁸.

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

There may be other requirements applicable to the products resulting from other applicable national regulations and administrative provisions.

These requirements need also to be complied with.

3 Attestation of conformity of the product and CE marking

3.1 System of attestation of conformity

The European Commission according to her decision on the procedure of attestation of conformity 2003/656/EC of September 2003 concerning sealing kits, profiles and strips usually made of foamed polyurethane, plastic impregnated bitumen, or butyl laid down by letter of 12 September 2003 system 4 in any case and systems 1/3/4 for reaction to fire.

Because reaction to fire was not tested (class F) the control plan for the product covers only system 4 for the procedure of attestation of conformity (AoC) (Annex III, clause 2(ii) third possibility of Council Directive 89/106/EEC).

⁸ Notes are stated in Guidance Paper H: "A harmonized approach relating to dangerous substances under the Construction Product Directive", Brussels, 18 February 2000.

The AoC system 4 provides:

Tasks for the manufacturer: factory production control,
initial type-testing of the product.

No tasks for the notified body

3.2 Responsibility

3.2.1 Tasks for the manufacturer

3.2.1.1 Factory production control

The manufacturer shall set up a production control at his factory and perform regular controls of the production process according to the control plan⁹.

This ensures that the product shows the properties stated in this ETA.

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.

The factory production control follows the determinations in clause 8 of the CUAP.

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.

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.

3.2.1.2 Initial type-testing of the product

The initial type-testing refers to the product properties stated in the control plan to this ETA and follows the determinations in clause 8 of the CUAP.

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 and observance of the required property values shall be ascertained by the manufacturer.

3.3 CE marking

The CE marking¹⁰ 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,
- reaction to fire (EN 13501-1): Class F.

⁹ The control plan is a confidential part of the MTD and deposited with DIBt and contains the required information on the factory production control and on the initial type-testing.

¹⁰ Notes on the CE marking are stated in Guidance Paper D "CE marking under the Construction Products Directive", Brussels, 01 August 2002.

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.

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

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. E. Jasch

Beglaubigt:

Dr.-Ing. Mehring

DEUTSCHES INSTITUT FÜR BAUTECHNIK

illbruck illmod 600, pre-compressed sealing tapes



Technical data

	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	$\mu \leq 100$

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	
	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

Applicable for the "illbruck illmod 600", pre-compressed sealing tape:

Assumed intended working life	at least 10 years
Reaction to fire (EN 13501-1)	class F
Statement on dangerous substances	does not contain any

Information for users:

Classification in accordance with EN 13501-1 is done in class F.
 The reaction to fire was tested in accordance with DIN 4102-1. Classification is done in class B1 thus, the requirement is met for Germany.

illbruck Bau-Technik GmbH
Abdichtungssysteme
Werner-Hoepf-Straße 1
92439 Bodenwöhr

illbruck illmod 600

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

Annex 1

to European technical approval
 N° ETA-05/0058
 dated 18 April 2004