



European Technical Approval ETA-07/0072

English translation prepared by DIBt - Original version in German language

Handelsbezeichnung <i>Trade name</i>	Fugendichtband "ISO-BLOCO 600" <i>Joint sealing tape "ISO-BLOCO 600"</i>
Zulassungsinhaber <i>Holder of approval</i>	ISO-Chemie GmbH Röntgenstraße 12 73431 Aalen DEUTSCHLAND
Zulassungsgegenstand und Verwendungszweck <i>Generic type and use of construction product</i>	Fugendichtband auf Basis von imprägniertem PU-Weichschaum zur Abdichtung von Fugen im Fenster- und Fassadenbereich <i>Impregnated joint sealing tape made of foamed polyurethane for sealing joints around windows and in facades</i>
Geltungsdauer: <i>Validity:</i>	vom <i>from</i> bis <i>to</i>
Herstellwerk <i>Manufacturing plant</i>	ISO-Chemie GmbH Röntgenstraße 12 73431 Aalen DEUTSCHLAND

Diese Zulassung umfasst
This Approval contains

9 Seiten einschließlich 2 Anhänge
9 pages including 2 annexes

Diese Zulassung ersetzt
This Approval replaces

ETA-07/0072 mit Geltungsdauer vom 27.04.2007 bis 26.04.2012
ETA-07/0072 with validity from 27.04.2007 to 26.04.2012

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 (Bauproduktengesetz - 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.
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- 6 The European technical approval is issued by the approval body in its official language. This version corresponds fully to the version circulated within EOTA. Translations into other languages have to be designated as such.

¹ Official Journal of the European Communities L 40, 11 February 1989, p. 12
² Official Journal of the European Communities L 220, 30 August 1993, p. 1
³ Official Journal of the European Union 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 L 17, 20 January 1994, p. 34

II SPECIFIC CONDITIONS OF THE EUROPEAN TECHNICAL APPROVAL

1 Definition of the 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 ISO-BLOCO 600.

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

The product can be used for sealing joints around windows and joints in building façades against penetration of driving rain 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.

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 life⁸ of the roof waterproofing of 10 years, provided that the roof waterproofing kit 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.

The indications given on the working life 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 product and methods of verification

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 permissible tolerance does not affect the characteristic values of the products and the assembled system negatively.

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 verified characteristics of the product are stated in Annex 1. An evaluation oriented at the intended use can be carried out with them by the user with respect to national regulations of the member states.

⁷ The manufacturer's technical dossier (MTD) comprises all information necessary for the production and the installation of the product as well as for the repair and it is deposited with DIBt. 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.

⁸ "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 function of the product remains watertight between high temperature up to 90 °C and low temperatures up to -30 °C under ambient weather conditions.

The driving rain resistance is classified according to EN 12208⁹ in class 9a (≥ 600 Pa).

The air permeability can be classified according EN 12207¹⁰ in at least class 2.

The water vapour diffusion factor μ is lower than 100.

According to the manufacturer's declaration the product taking account of the EU database¹¹ 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.

3 Evaluation and attestation of conformity 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).

The AoC system 4 provides:

Tasks for the manufacturer:

- (1) factory production control,
- (2) 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 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, including records of results performed. This production control system shall insure that the product is in conformity with this ETA.

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

⁹ EN 12208:2000 Windows and doors - Watertightness - Classification

¹⁰ EN 12207:1999 Windows and doors - Air permeability - Classification;

¹¹ Notes are stated in Guidance Paper H: "A harmonized approach relating to dangerous substances under the Construction Products Directive", Brussels, 18 February 2000

¹² The control plan is a confidential part of the MTD to this ETA. It contains the required information on the factory production control and on the initial type-testing.

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 identifying properties 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.

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 which is part of the MTD.

3.2.1.2 Initial type-testing of the product

The initial type-testing refers to the product properties stated in the appropriate part of the control plan to this ETA.

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.

3.2.1.3 Other tasks for the manufacturer

The manufacturer shall make a declaration of conformity, stating that the construction product is in conformity with the provisions of this ETA and shall mark the product with the CE mark according to clause 3.3.

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 and address of the producer,
- the last two digits of the year in which the CE marking was affixed,
- number of the European technical approval,
- intended use.

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

The ETA is issued for the product on the basis of the product composition deposited with DIBt. Changes to the components of the kit or in the production process of the components, 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.

4.2 Design and dimensioning

Annex 2 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.

Georg Feistel
Head of Department

beglaubigt:
Hemme

ISO-BLOCO 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	$a \leq 0,1 \text{ m}^3/[\text{h m (daPa)}^0]$; at least class 2 EN 12207
Resistance to water vapour diffusion	EN ISO 12572	$\mu \leq 100$

Applicable for the pre-compressed sealing tape ISO-BLOCO 600

Assumed intended working life at least 10 years

Reaction to fire (EN 13501-1) class F

Statement on dangerous substances does not contain any

Joint sealing tape "ISO-BLOCO 600"
ISO-Chemie GmbH

Technical Data

Annex 1

ISO-BLOCO 600, pre-compressed sealing tapes

Dimensions/sizes

Type	Joint depth ¹ in mm	Allowable for joint width ² in mm	Type	Joint depth ¹ in mm	Allowable for joint width ² in mm
8 / 1-2	8	1 - 2	15 / 5-12	15	5 - 12
10 / 1-2	10		20 / 5-12	20	
15 / 1-2	15		25 / 5-12	25	
20 / 1-2	20		30 / 5-12	30	
25 / 1-2	25		40 / 5-12	40	
30 / 1-2	30		50 / 5-12	50	
40 / 1-2	40		15 / 6-15	15	
50 / 1-2	50	20 / 6-15	20		
10 / 1-4	10	25 / 6-15	25		
15 / 1-4	15	30 / 6-15	30		
20 / 1-4	20	40 / 6-15	40		
25 / 1-4	25	1 - 4	50 / 6-15	50	9 - 20
30 / 1-4	30		20 / 9-20	20	
40 / 1-4	40		25 / 9-20	25	
50 / 1-4	50		30 / 9-20	30	
12 / 2-6	12		40 / 9-20	40	
15 / 2-6	15		50 / 9-20	50	
20 / 2-6	20		20 / 11-25	20	
25 / 2-6	25	25 / 11-25	25		
30 / 2-6	30	30 / 11-25	30		
40 / 2-6	40	40 / 11-25	40		
50 / 2-6	50	50 / 11-25	50		
15 / 4-9	15	4 - 9	30 / 18-34	30	18 - 34
20 / 4-9	20		40 / 18-34	40	
25 / 4-9	25		50 / 18-34	50	
30 / 4-9	30		30 / 24-42	30	24 - 42
40 / 4-9	40		40 / 24-42	40	
50 / 4-9	50		50 / 24-42	50	

¹ height of sealing tape

² joint width including possible movement

Joint sealing tape "ISO-BLOCO 600"
ISO-Chemie GmbH

Dimensions/sizes

Annex 2