

ETA-Danmark A/S
Kollegievej 6
DK-2920 Charlottenlund
Tel. +45 72 24 59 00
Fax +45 72 24 59 04
Internet www.etadanmark.dk



Authorised and notified according to Article 10 of the Council Directive 89/106/EEC of 21 December 1988 on the approximation of laws, regulations and administrative provisions of Member States relating to construction products

MEMBER OF EOTA

European Technical Approval ETA-08/0244

Trade name:	CC Expanding Sealer
Holder of approval:	3-C Production AB Porsevägen 27-29 SE-311 32 Falkenberg Telephone +46 346 58 754 Telefax +46 346 58 784 Internet www.3c.nu
Generic type and use of construction product:	Pre-compressed sealing tape
Valid from: to:	2008-09-17 2013-09-17
Manufacturing plant:	3-C Production AB Porsevägen 27-29 SE-311 32 Falkenberg

This European Technical Approval contains: 8 pages including 1 annex which form an integral part of the document



European Organisation for Technical Approvals

Europæisk Organisation for Tekniske Godkendelser

I LEGAL BASIS AND GENERAL CONDITIONS

1 This European Technical Approval is issued by ETA-Danmark A/S 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, as amended by Council Directive 93/68/EEC of 22 July 1993².

- Bekendtgørelse 559 af 27-06-1994 (afløser bekendtgørelse 480 af 25-06-1991) om ikrafttræden af EF direktiv af 21. december 1988 om indbyrdes tilnærmelse af medlemsstaternes love og administrative bestemmelser om byggevarer.

- Common Procedural Rules for Requesting, Preparing and the Granting of European Technical Approvals set out in the Annex to Commission Decision 94/23/EC³.

- EOTA CUAP "Sealing kits, profiles and strips usually made of foamed polyurethane, plastic impregnated bitumen, or butyl", version February 2003, ETA request No 06.05/01

2 ETA-Danmark A/S 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 ETA-Danmark A/S pursuant 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 ETA-Danmark A/S. 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 This European Technical Approval is issued by ETA-Danmark A/S in English. 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 N° L40, 11 Feb 1989, p 12.

2 Official Journal of the European Communities N° L220, 30 Aug 1993, p 1.

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

II SPECIAL CONDITIONS OF THE EUROPEAN TECHNICAL APPROVAL

1 Definition of product and intended use

Definition of the product

The pre-compressed joint sealing tape CC Expanding Sealer is a bitumen impregnated tape of polyurethane flexible foam.

The joint sealing tape is supplied in a pre-compressed thickness of 2 mm and different widths 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.

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

Intended use

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

Assumed working life

The assumed intended working life of the sealing tape for the intended use is 10 years, provided that they are 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 information on the working life should not be regarded as a guarantee provided by the manufacturer or ETA-Danmark A/S. An "assumed intended working life" means that it is expected that, when this working life has elapsed, the real working life may be, in normal use conditions, considerably longer without major degradation affecting the essential requirements.

2 Characteristics of product and assessment

2.1 Characteristics of the product

The product shows the characteristic values with respect to the permissible tolerances which are stated in the MTD⁴ to this ETA.

The chemical composition and the characteristic values of the product and the manufacturing methods are confidential and deposited with ETA-Danmark. The ETA is issued for the product on the basis of the product composition deposited with ETA-Danmark. 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 ETA-Danmark before the changes are introduced. ETA-Danmark 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 database⁵.

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.

⁴ The technical documentation comprises all information of the holder of this ETA necessary for the production, installation and maintenance of the stair; these are in particular the structural analysis, design drawings and the manufacture's installation instructions. The part to be treated confidentially is deposited with ETA-Danmark and, as far as this is relevant to the tasks of the approved bodies involved in the procedure of attestation of conformity, shall be handed over to the approved body.

⁵ Notes are stated in Guidance Paper H: A harmonised approach relating to dangerous substances under the Construction Products Directive, Brussels, 18 February 2000

3 Attestation of Conformity and CE marking

3.1 Attestation of Conformity system

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).

System 4:

a) Tasks for the manufacturer:

- (1) Factory production control,
- (2) Initial type testing of the product,

No tasks for the notified body.

3.2 Responsibilities

3.2.1 Tasks of the manufacturer

3.2.1.1 Factory production control

The manufacturer has a factory production control system in the plant and exercises permanent internal control of production. All the elements, requirements and provisions adopted by the manufacturer are documented in a systematic manner in the form of written policies and procedures. This production control system ensures that the product is in conformity with the European Technical Approval.

The manufacturer shall only use raw materials supplied with the relevant inspection documents as laid down in the control plan⁶. The incoming raw materials shall be subject to controls and tests by the manufacturer before acceptance.

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.

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 control plan, which is part of the technical documentation of this European Technical Approval, includes details of the extent, nature and frequency of testing and controls to be performed within the factory production control and has been agreed between the approval holder and ETA-Danmark A/S.

⁶ The control plan has been deposited at the ETA-Danmark A/S and is only made available to the approved bodies involved in the conformity attestation procedure.

The results of factory production control are recorded and evaluated.

The records shall be presented to ETA-Danmark A/S on request

3.2.1.1 Initial type testing of the product

For initial type-testing the results of the tests performed as part of the assessment for the European Technical Approval shall be used unless there are changes in the production line or plant. In such cases the necessary initial type testing has to be agreed between ETA-Danmark A/S and the notified body

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.

4 Assumptions under which the fitness of the product for the intended use was favourably assessed

4.1 Manufacturing

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 adjuvant,
- 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.



Thomas Bruun
Manager, ETA-Danmark

Annex 1

CC Expansion Sealer



Technical data

	Standard	Classification
Driving rain resistance	EN 1027	Tight up to 600 Pa; class 9A according to EN 12208
Air permeability of joints	EN 1026	$A \leq 1,4 \text{ m}^3/(\text{h} \times \text{m})$; at least class 2 according to EN 12207
Resistance to water vapour diffusion	EN ISO 12572	$\mu \leq 100$

Dimensions

Depth: 0 mm to 270 mm depending on joint depth
 Expanded height: 30 mm
 Precompressed height: 2 mm
 Lengths: 5 m, 10 m or 15 m rolls

Operating joint width: 5 – 15 mm.

Applicable for CC Expansion Sealer:

Assumed intended working life: 10 years
 Reaction to fire (EN 13501-1): Class F (No performance determined)
 Statement on dangerous substances: Does not contain any

Information for users:

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.