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Authorised and notified according
to Article 29 of the Regulation (EU)
No 305/2011 of the European
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European Technical Assessment ETA-24/0402 of 2024/06/26

I General Part

Technical Assessment Body issuing the ETA and designated according to Article 66 of the Regulation (EU) No 305/2011: ETA-Danmark A/S

Trade name of the construction product:

DG-CR 0.7

Product family to which the above construction product belongs:

Intumescent products for fire sealing and fire stopping purposes

Manufacturer:

Flamro Brandschutz-Systeme GmbH
Am Sportsplatz 2
DE-56291 Leiningen
Telephone: +49 6746 94100
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Manufacturing plant:

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Plant LEI
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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, based on:

European Assessment Document (EAD) No. 350005-00-1104: Intumescent products for fire sealing and fire stopping purposes

This version replaces:

Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document and should be identified as such.

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II SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT

1 Technical description of the product.

DG-CR 0.7 is an intumescent construction product, produced as a liquid coating in the colour grey anthracite, black and red. The product is installed by brush or sprayed on substrate.

The product consists of intumescent substrates and a binder. They harden when applied on a substrate and form flexible intumescent layers which react in case of fire.

DG-CR 0.7 is tight and tear-proof intumescent fabric, which consists of a glass filament fabric mechanically covered with the intumescent coating “DG” on one side, and on the other side it is covered with a coating of polyurethan pigmented.

DG-CR 0.7 is produced as roll, cut at factory and delivered in the preferable length of 10 m or 20 m. it may also be delivered as intumescent strips, mats, cuts and stamps (bands, blocks, pads) of any dimension on request.

DG-CR 0.7 was tested for emissions and the results are:

	After 3 days	After 28 days
TVOC	$\leq 10 \text{ mg/m}^3$	$\leq 1 \text{ mg/m}^3$
SVOC		$\leq 0.1 \text{ mg/m}^3$

The concentration of formaldehyde after 28 days was $\leq 0.1 \text{ mg/m}^3$.

The tear strength and elongation at rupture was determined according to EN ISO 10319:

Thickness of the fabric		0,6 mm \pm 10%
Ultimate elongation [%]	Longitudinal	4,2
	Transverse	4,5
Ultimate tensile strength [kN/m]	Longitudinal	60,7
	Transverse	41,4

2 Specification of the intended use(s) in accordance with the applicable European Assessment Document (hereinafter EAD)

The construction product DG-CR 0.7 is assessed on the basis of EAD 350005-00-1104, as an intumescent product for fire sealing and fire stopping purposes without a defined final use (IU 1).

In case of fire, exposed to high temperatures, these intumescent products expand and generate foam. This foam seals joint and gaps, closes voids and openings. Thus, the foam restricts the passage and the spread of heat, smoke, flames or any combinations of these.

More information in table 3: “Performance of the product and references to the methods used for its assessment”.

The fire sealing product is to be installed according to the manufacturer’s installation manual.

The provisions made in this European Technical Assessment are based on an assumed intended working life of the DG-CR 0.7 intumescent product for fire sealing purposes of 10 years, provided the manufacturers conditions laid down in the manufacturers data sheet for the packaging, transport, storage, installation, use, maintenance and repair are met.

The indications given as to the working life of the construction product cannot be interpreted as a guarantee neither given by the product manufacturer or his representative nor by the Technical Assessment Body issuing an ETA based on the EAD No. 350005-00-1104 but are regarded only as means for expressing the expected economically reasonable working life of the product.

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

Characteristic	Assessment of characteristic
3.2 Safety in case of fire (BWR2)	
Reaction to fire	The product is classified as B-s1, d0 in accordance with EN 13501-1 and Commission Delegated Regulation 2016/364
Resistance to fire	Not relevant

3.9 Methods of verification

The characteristic values of the intumescent product for fire sealing and fire stopping purposes are based on the EAD 350008-00-1104.

3.10 General aspects related to the fitness for use of the product.

The verification of durability is part of testing the essential characteristics. DG-CR 0.7 intumescent product for fire sealing and fire stopping purposes may be used in end-use applications according to the provisions for use category X (intended for use at conditions exposed to weathering (rain, UV, frost)) without expecting significant changes of the characteristics relevant for fire protection.

The European Technical Assessment is issued for the product based on agreed data/information, deposited with ETA-Danmark, which identifies the product that has been assessed and judged. Changes to the product or production process, which could result in this deposited data/information being incorrect, should be notified to ETA-Danmark before the changes are introduced. ETA-Danmark will decide if such changes affect the ETA and consequently the validity of the CE marking based on the ETA and if so whether further assessment or alterations to the ETA, shall be necessary.

DG-CR 0.7 intumescent product for fire sealing and fire stopping purposes is manufactured in accordance with the provisions of this European Technical Assessment using the manufacturing processes as identified in the inspection of the plant by the notified inspection body and laid down in the technical documentation.

4 Assessment and verification of constancy of performance (hereinafter AVCP) system applied, with reference to its legal base.

4.1 AVCP system

According to the decision 1999/454/EC of the European Commission, as amended, the system(s) of assessment and verification of constancy of performance is system 1 (see Annex V to Regulation (EU) No 305/2011).

5 Technical details necessary for the implementation of the AVCP system, as provided for 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 2024-06-26 by



Thomas Bruun
Managing Director, ETA-Danmark

Annex 1

Characteristics relevant for the fire sealing and fire stopping effect of the construction product.

DG-CR 0.7	
Expansion ratio	Thickness 0,6 mm \pm 10% 12,5 to 16,0
Expansion pressure	0,6 mm \pm 10% 0,8 N/mm ² to 1,4 N/mm ²