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Authorised and notified
according to Article 29 of the
Regulation (EU)
No 305/2011 of the European
Parliament and of the Council
of 9 March 2011



European Technical Assessment ETA-22/0209 of 2025/01/31

I General Part

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S

Trade name of the construction product:

Kingspan K-Stop® Intumescent Mastic

Product family to which the above construction product belongs:

Fire Stopping and Sealing Product:
• Linear Joint and Gap Seals

Manufacturer:

Kingspan Insulation Ltd
Harvey Rd
Basildon
SS13 1QJ
United Kingdom

Manufacturing plant:

A/003

This European Technical Assessment contains:

10 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, on the basis

EAD 350141-00-1106

This version replaces:

ETA-22/0209 of 2022/04/28

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Table of Contents

I.	SPECIFIC PARTS OF THE EUROPEAN TECHNICAL ASSESSMENT	4
1	Technical description of the product.....	4
2	Specification of the intended uses of the product in accordance with the applicable European Assessment Document (Hereinafter EAD): EAD 350141-00-1106	5
3	Performance of the product and references to the methods used for its assessment	6
4	ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE (HEREINAFTER AVCP) SYSTEM APPLIED, WITH REFERENCE TO ITS LEGAL BASE	7
5	Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD.....	7
	ANNEX A – Resistance to Fire Classification – Kingspan K-Stop® Intumescent Mastic	8
A.1	Flexible or rigid wall constructions according to 1.2.1 with wall thickness of minimum 100 mm	8
A.1.1	Linear seals, for gaps between boards in drywalls or in rigid walls	8
A.2	Flexible or rigid wall constructions according to 1.2.1 with wall thickness of minimum 130 mm	9
A.2.1	Linear seals, for gaps between boards in drywalls or in rigid walls	9
A.3	Rigid floor constructions according to 1.2.1 with floor thickness of minimum 150 mm	10
A.3.1	Linear joint or gap seal, between floor slabs or between floor slab and wall with sealant to the top face of the floor only	10

I. SPECIFIC PARTS OF THE EUROPEAN TECHNICAL ASSESSMENT

1 Technical description of the product

- 1) Kingspan K-Stop® Intumescent Mastic is a sealant used to form linear gap seals where gaps are present in wall constructions and linear where linear joints between or gaps are present in floor constructions.
- 2) The Kingspan K-Stop® Intumescent Mastic is supplied in liquid form contained within 310 ml cartridges. The sealant is gunned into the gap/joint in the separating element, to a specified depth various backing materials.
- 3) The use category of Kingspan K-Stop® Intumescent Mastic in relation BWR 4 (safety in use) is IA1, S/W3

2 Specification of the intended uses of the product in accordance with the applicable European Assessment Document (Hereinafter EAD): EAD 350141-00-1106

Detailed information and data is given in Annex A.

The intended use of system Kingspan K-Stop® Intumescent Mastic is to reinstate the fire resistance performance of gaps in flexible wall and rigid wall constructions, gaps in and joints between rigid floor constructions.

- 1) The specific elements of construction that the system Kingspan K-Stop® Intumescent Mastic may be used to provide a gap or joint seal in, are as follows:

Flexible walls: The wall must have a minimum thickness of 100 mm and comprise steel studs lined on both faces with minimum 2 layers of 12.5 mm thick boards.

Rigid walls: The wall must have a minimum thickness of 150 mm and comprise concrete, aerated concrete or masonry, with a minimum density of 650 kg/m³.

Rigid floors: The floor must have a minimum thickness of 150 mm and comprise aerated concrete or concrete with a minimum density of 650 kg/m³.

The supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period.

- 2) The system Kingspan K-Stop® Intumescent Mastic may be used to provide a linear joint or gap seal with specific supporting constructions and substrates (for details see Annex A).
- 3) The maximum permitted joint/gap width for system Kingspan K-Stop® Intumescent Mastic is 100 mm.
- 4) The maximum movement capability of system Kingspan K-Stop® Intumescent Mastic is $\leq 7.5\%$
- 5) The provisions made in this European Technical Assessment are based on an assumed working life of the Kingspan K-Stop® Intumescent Mastic of 10 years, provided that the conditions laid down in sections 4.2/5.1/5.2 for the packaging/transport/ storage/installation/use/repair are met. The indications given on the working life cannot be interpreted as a guarantee given by the producer or the Technical Assessment Body but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.
- 6) Type Z₂: Intended for uses in internal conditions with humidity lower than 85 % RH excluding temperatures below 0°C, without exposure to rain or UV.

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

Product-type: Sealant	Intended use: Linear Joint & Gap Seal
Basic Requirement	Performance
BWR 1 Mechanical resistance and stability	
None	Not relevant
BWR 2 Safety in case of fire	
Reaction to fire	No performance assessed
Resistance to fire	Annex A
BWR 3 Hygiene, health and environment	
Air permeability (material property)	No performance assessed
Water permeability (material property)	No performance assessed
Release of dangerous substances	No performance assessed
BWR 4 Safety in use	
Mechanical resistance and stability	No performance assessed
Resistance to impact/movement	No performance assessed
Adhesion	No performance assessed
BWR 5 Protection against noise	
Airborne sound insulation	No performance assessed
Impact sound insulation	No performance assessed
BWR 6 Energy economy and heat retention	
Thermal properties	No performance assessed
Water vapour permeability	No performance assessed
General aspects relating to fitness for use	
Durability and serviceability	Z ₂

4 ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE (HEREINAFTER AVCP) SYSTEM APPLIED, WITH REFERENCE TO ITS LEGAL BASE

According to the decision 1999/454/EC – Commission Decision of date 22nd June 1999 on the procedure for attesting the conformity of construction products pursuant to Article 20(2) of Council Directive 89/106/EEC as regards fire stopping, fire sealing and fire protective products, published in the Official Journal of the European Union (OJEU) L178/52 of 14/07/1999, see <http://eur-lex.europa.eu/JOIndex.do> of the European Commission¹, as amended, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) given in the following table(s) applies (apply).

Product(s)	Intended use(s)	Level(s) or class(es)	System(s)
Fire stopping and Fire Sealing Products	For fire compartmentation and/or fire protection or fire performance	Any	1

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 A/S prior to CE marking

Issued in Copenhagen on 2025-01-31 by

Thomas Bruun

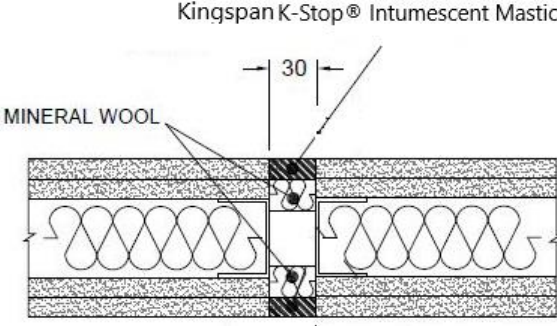
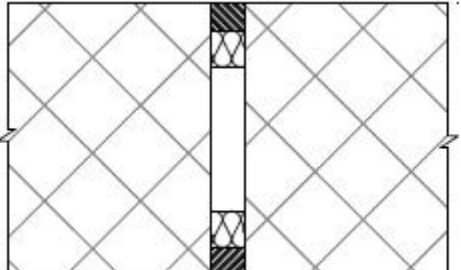
Managing Director, ETA-Danmark

¹ Official Journal of the European Communities L178/52 of 14/7/1999

ANNEX A – Resistance to Fire Classification – Kingspan K-Stop® Intumescent Mastic

A.1 Flexible or rigid wall constructions according to 1.2.1 with wall thickness of minimum 100 mm

A.1.1 Linear seals, for gaps between boards in drywalls up to 3m high or in rigid walls

Gap Seal: Kingspan K-Stop® Intumescent Mastic to both sides of the wall, gap widths up to 30 mm	
<p>Construction details:</p> 	

A.1.1.1

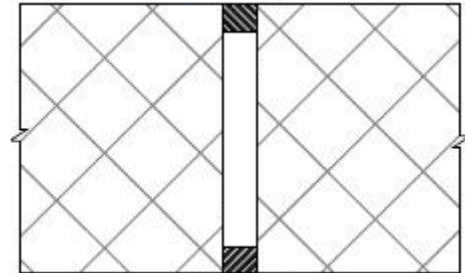
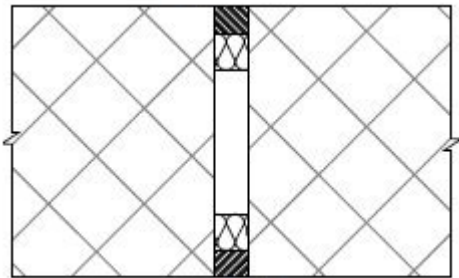
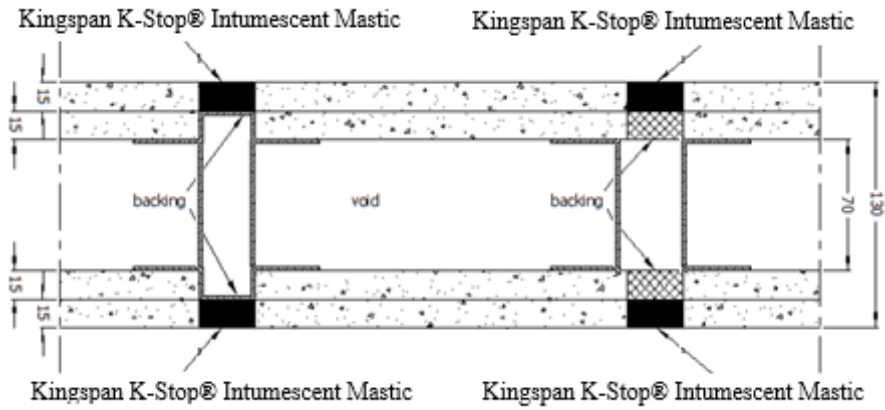
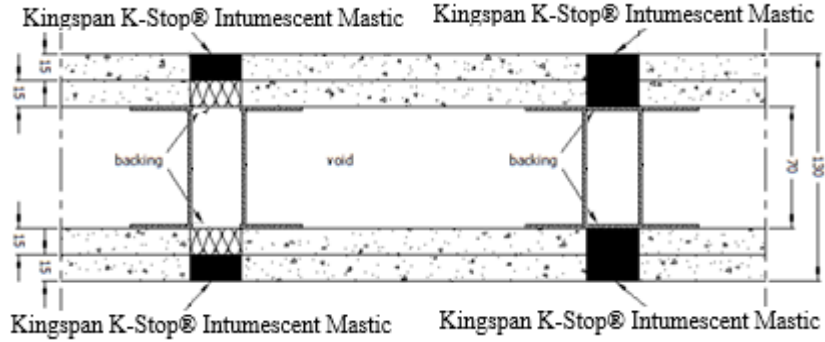
Substrate	Depth (mm)	Backing	Classification
Plasterboard / concrete	9 min.	20 mm Rockwool RW2, 40 kg/m ³	EI 90 – V – X – F – W 30
	20 min.	PE Rod	EI 120 – T – X – F – W 30

A.2 Flexible or rigid wall constructions according to 1.2.1 with wall thickness of minimum 130 mm

A.2.1 Linear seals, for gaps between boards in drywalls up to 3m high or in rigid walls

Joint Seal: Kingspan K-Stop® Intumescent Mastic to both sides of the wall, gap widths up to 30 mm and maximum length 3 m

Construction details:



A.2.1.1

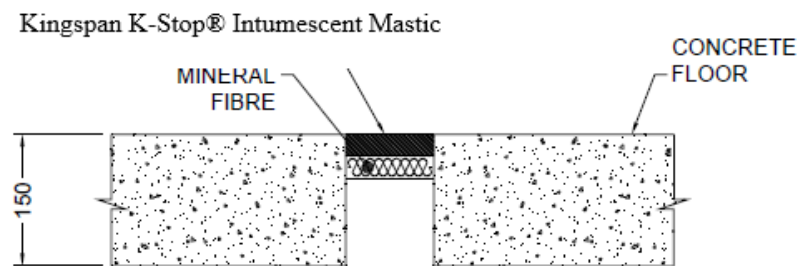
Substrate	Depth (mm)	Backing	Classification
Plasterboard / concrete	15 min.	15 mm Knauf Rocksilk33	EI 120 – V – X – F – W 30
	30 min.	Cardboard sheet	
	15 min.		PE Rod
	30 min.	EI 90 – V – X – F – W 30	

A.3 Rigid floor constructions according to 1.2.1 with floor thickness of minimum 150 mm

A.3.1 Linear joint or gap seal, between floor slabs or between floor slab and wall with sealant to the top face of the floor only

Joint Seal: Kingspan K-Stop® Intumescent Mastic to the top face of the floor, joint widths up to 100 mm

Construction details:



A.3.1.1

Substrate	Depth (mm)	Backing	Classification
Concrete	25 min.	25 mm Rockwool RW2, 40 kg/m ³	EI 120 – H – X – F – W 100