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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-21/0201 of 2021/03/24

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:

Bostik Fire Bond Gap Seal+

Product family to which the above construction product belongs:

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

Manufacturer:

Bostik AB
Box 903
SE-251 09
Helsingborg
Sweden

Manufacturing plant:

A/001

This European Technical Assessment contains:

17 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 of:

EAD 350141-00-1106, September 2017.

This version replaces:

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I. SPECIFIC PARTS OF THE EUROPEAN TECHNICAL ASSESSMENT

1 Technical description of the product

- 1) Bostik Fire Bond Gap Seal+ is a sealant used to form linear gap seals where gaps are present in wall and floor constructions and linear joint seals where wall and floor constructions abut.
- 2) The Bostik Fire Bond Gap Seal+ is supplied in liquid form contained within 310 ml cartridges, 600ml foils or in 5, 10, 15 or 19 litre tubs. The sealant is gunned or trowelled into the aperture in or between the separating element/elements, to a specified depth utilising various backing materials.
- 3) The applicant has presented a declaration that the product and/or constituents of the product contains no substances which have been classified as dangerous according to Directive 67/548/EEC and Regulation (EC) No. 1272/2008 and listed in the 'indicative list on dangerous substances' of the EGDS – taking into account the installation conditions of the construction product and the release scenarios resulting from there.

In addition to the specific clauses relating to dangerous substances contained in this European Technical Assessment, there may be other requirements applicable to the products falling within its scope (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the Construction Products Regulation, these requirements need also to be complied with, when and where they apply.

- 4) The use category of Bostik Fire Bond Gap Seal+ in relation to BWR 3 (Health, hygiene and environment) is IA1, S/W3.

2 Specification of the intended uses of the product in accordance with the applicable European Assessment Document (Hereinafter EAD): ETAG 026-3

Detailed information and data is given in Annex A.

The intended use of system Bostik Fire Bond Gap Seal+ is to reinstate the fire resistance performance of gaps in and joints in and between flexible wall and rigid wall constructions, gaps in and joints between rigid floor constructions.

- 1) The specific elements of construction that the system Bostik Fire Bond Gap Seal+ 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 or timber 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 100 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 Bostik Fire Bond Gap Seal+ 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 Bostik Fire Bond Gap Seal+ is 100 mm.
- 4) The maximum movement capability of system Bostik Fire Bond Gap Seal+ is $\leq 7.5\%$
- 5) The provisions made in this European Technical Assessment are based on an assumed working life of the Bostik Fire Bond Gap Seal+ of 10 years, provided that the conditions laid down in the manufacturer's instructions and datasheet 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 Z₁: Intended for use at internal conditions with high or other humidity classes, excluding temperatures below 0°C.

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 | Declaration of manufacturer |
| 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 ₁ |

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

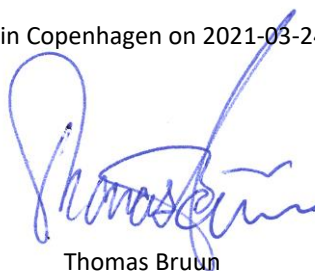
According to the decision 1999/454/EC – Commission Decision of date 22nd June 1999 on on the procedure for attesting the conformity of construction products pursuant to Article 20(2) of Council Directive 89/106/EEC as regards fire stopping, fire sealing and fire protective products, published in the 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 2021-03-24 by



Thomas Bruun

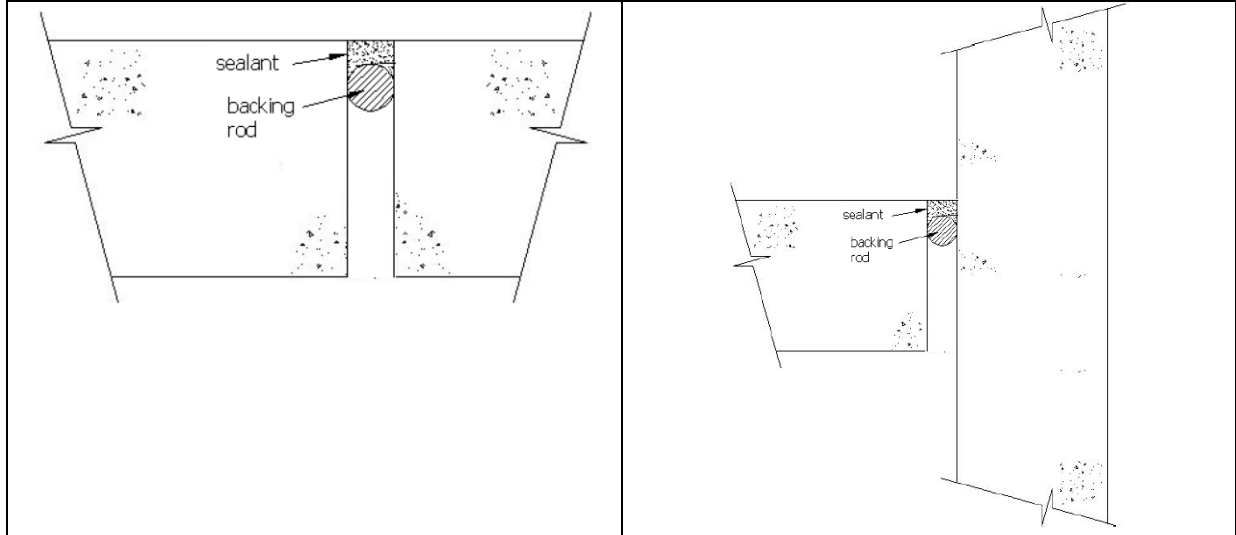
Managing Director, ETA-Danmark

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

ANNEX A – Resistance to Fire Classification – Bostik Fire Bond Gap Seal+

A.1 Rigid wall constructions with wall thickness of minimum 200 mm

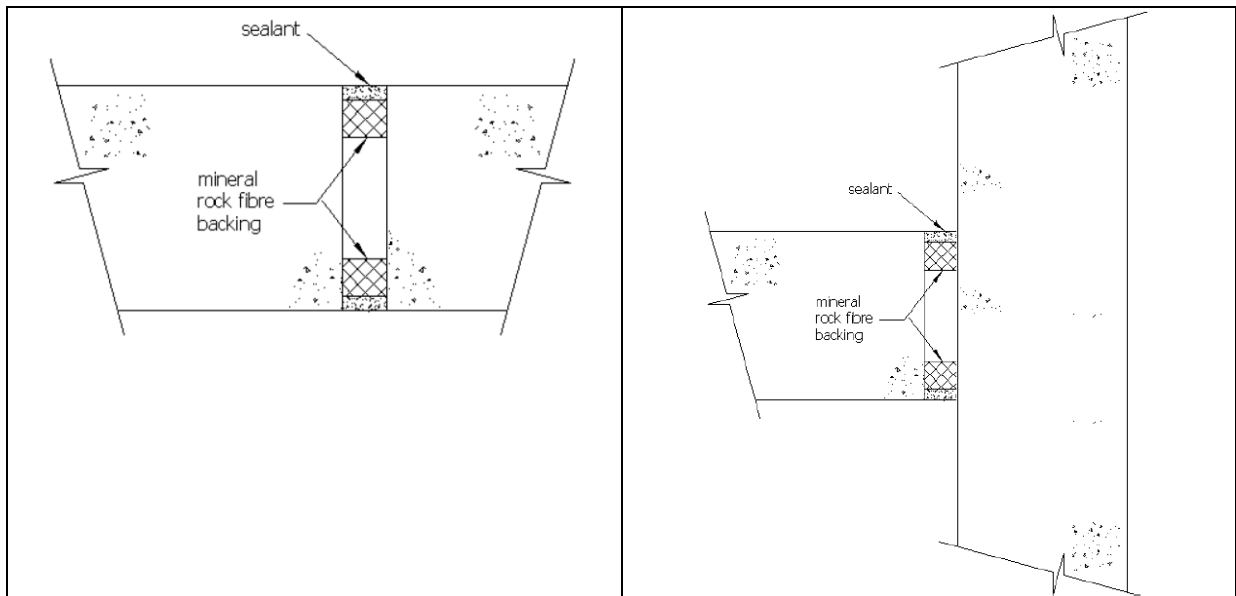
A.1.1 Linear joint or gap seal, vertically oriented with sealant to the exposed face



A.1.1.1

| Bostik Fire Bond Gap Seal+ Linear Joint Seals in Rigid Walls 200 mm thick (min.) – Sealant on the Exposed/Fire Side of the Seal Only | | | |
|--|------------|------------------|---|
| Substrate | Depth (mm) | Backing | Classification |
| Masonry/ concrete | 25 min. | Polyethylene rod | E 240 – V – X – F – W 30 EI 60 – V – X – F – W 30 |
| | 20 min. | | E 240 – V – X – F – W 20 EI 90 – V – X – F – W 20 |
| | 10 min. | | E 240 – V – X – F – W 10 EI 180 – V – X – F – W 10 |

A.1.2 Linear joint or gap seal, vertically oriented with sealant to both faces

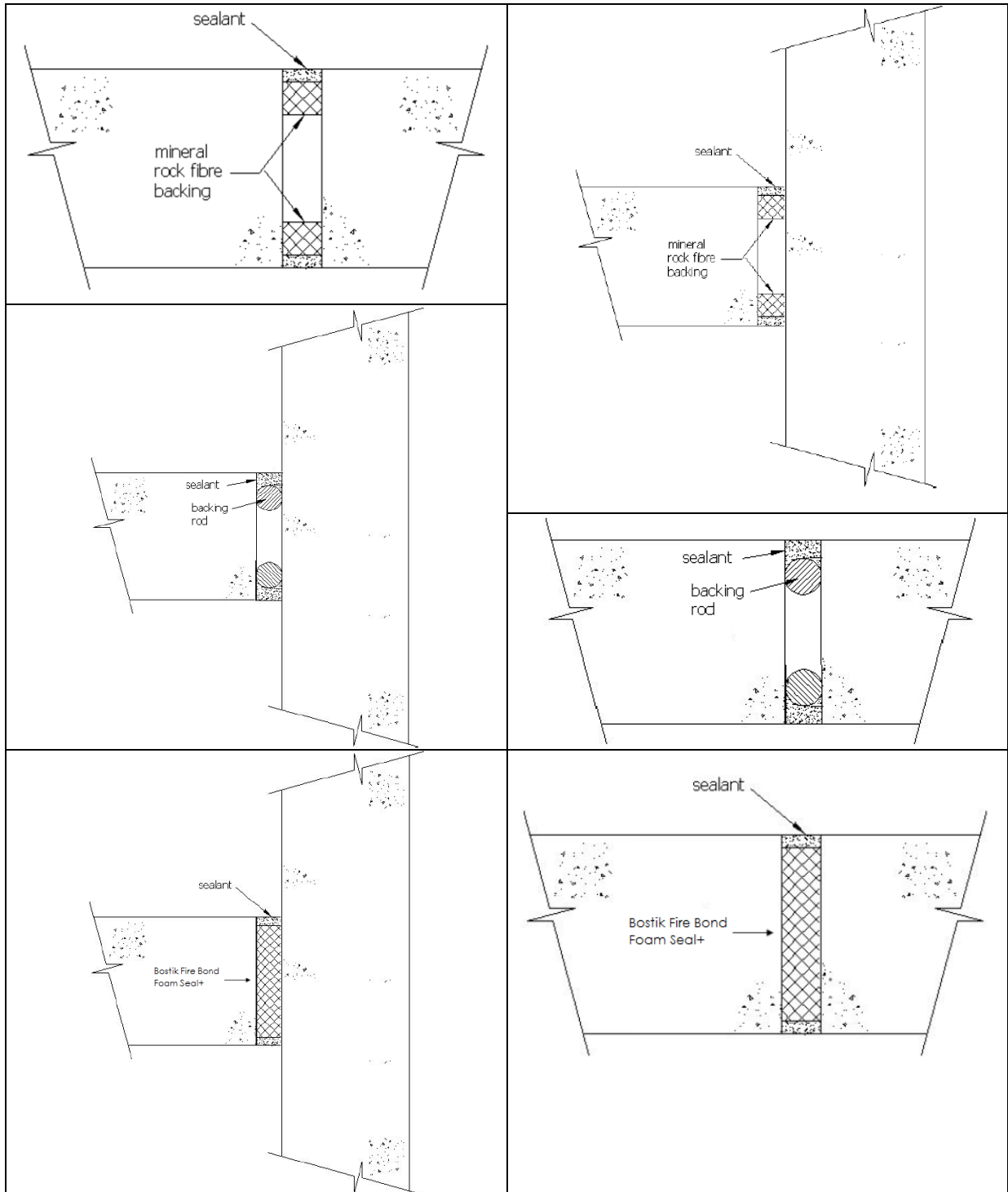


A.1.2.1

| Bostik Fire Bond Gap Seal+ Linear Joint Seals in Rigid Walls 200 mm thick (min.) – Sealant flush to both faces of the wall | | | |
|---|-------------------|--|----------------------------------|
| Substrate | Depth (mm) | Backing | Classification |
| Masonry/ concrete | 20 min. | Stone wool 20 deep / 90 kg/m ³ | EI 240 – V – X – F – W 30 |
| | 10 min. | Stone wool 10 deep / 90 kg/m ³ | EI 240 – V – X – F – W 10 |

A.2 Rigid wall constructions with wall thickness of minimum 150 mm

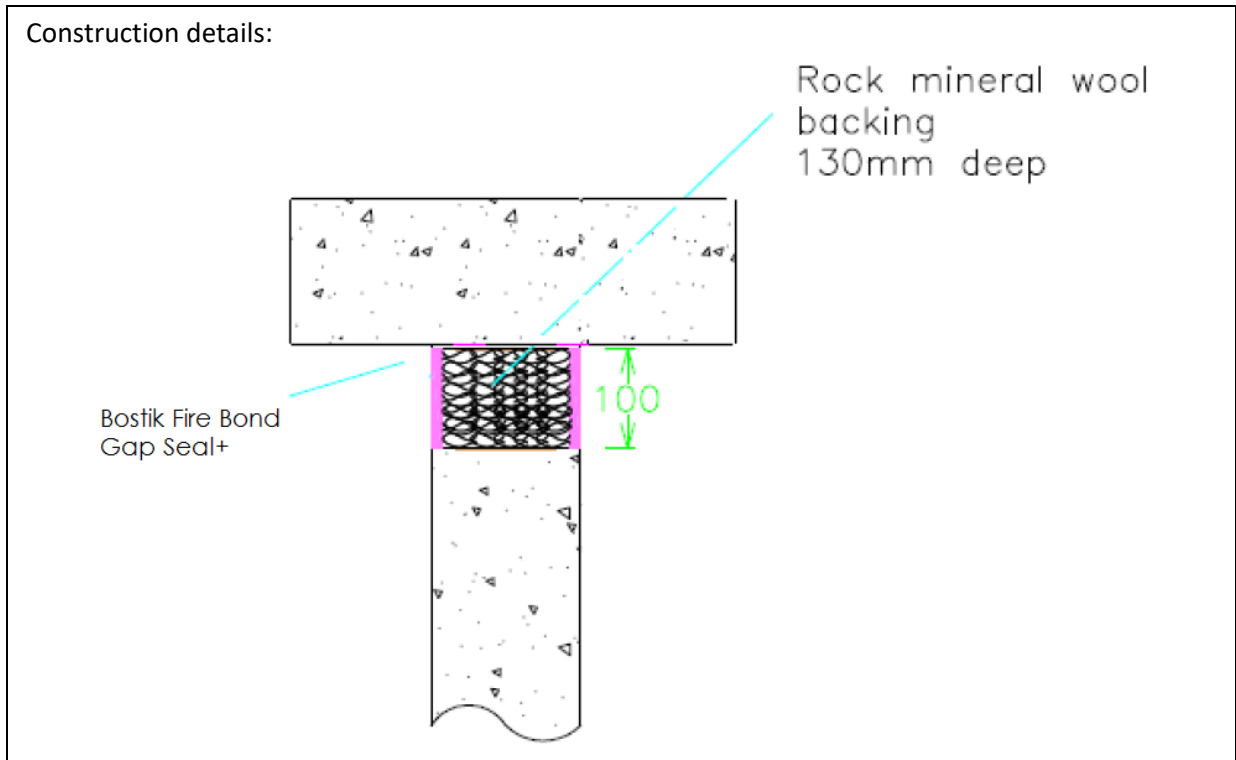
A.2.1 Linear joint or gap seal, vertically oriented with sealant to both faces



A.2.1.1

| Bostik Fire Bond Gap Seal+ Linear Joint Seals in Rigid Walls 150 mm thick (min.) – Sealant flush to both faces of the wall | | | |
|---|-------------------|---|---|
| Substrate | Depth (mm) | Backing | Classification |
| Masonry/ concrete | 10 min. | Bostik Fire Bond Foam Seal+ 130 mm deep min. | EI 240 – V – X – F – W 50 |
| | 15 min. | Polyethylene rod | E 240 – V – X – F – W 30 EI 180 – V – X – F – W 30 |
| | 10 min. | Polyethylene rod | E 240 – V – X – F – W 20 EI 180 – V – X – F – W 20 |
| Masonry/ concrete to steel | 10 min. | Polyethylene rod | E 240 – V – X – F – W 30 EI 90 – V – X – F – W 30 |
| | 25 min. | 50 mm Rockwool RW4 Stone wool | EI 240 – V – X – F – W 50 |
| Masonry/ concrete to timber | 20 min. | Polyethylene rod | EI 120 – V – X – F – W 30 |
| | 15 min. | Rockwool RW4 Stone wool, 120 mm deep min. | EI 180 – V – X – F – W 30 |
| Timber/ Concrete | 25 min. | 50 mm Rockwool RW4 Stone wool | EI 120 – V – X – F – W 50 |

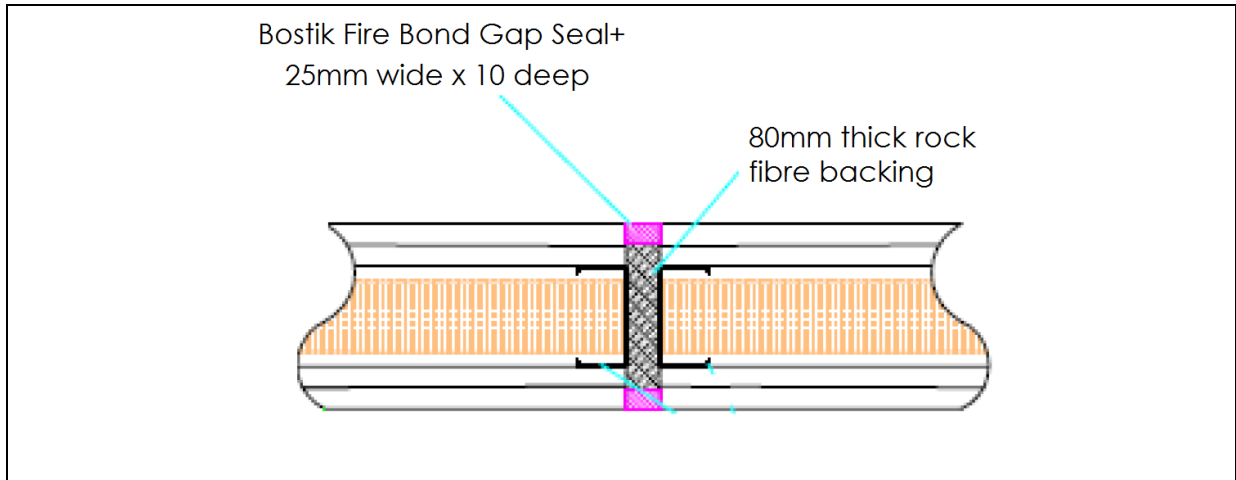
A.2.2 Linear joint or gap seal, horizontally oriented at the head of walls, with sealant to both faces



| Substrate | Depth (mm) | Backing | Classification |
|----------------------|------------|-----------------------------------|-----------------------------------|
| Masonry/ Concrete | 10 min. | 130 mm Rockwool RW4 Stone wool | EI 240 – T – X – F – W 100 |

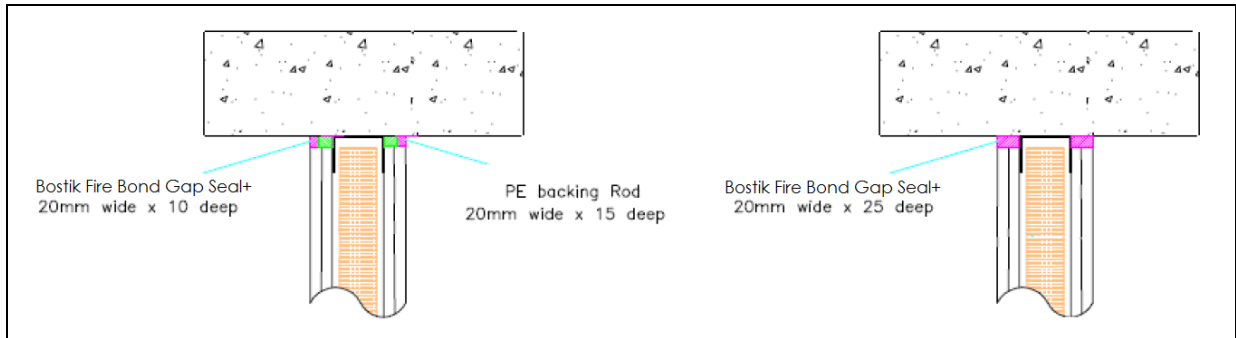
A.3 Flexible wall constructions up to 3m high, with wall thickness of minimum 100 mm

A.3.1 Linear joint or gap seal, vertically oriented with sealant to both faces



| Substrate | Depth (mm) | Backing | Classification |
|-----------------------------|------------|----------------------------------|---------------------------|
| Gypsum board / Gypsum board | 10 min. | 80 mm Rockwool RW4 Stone wool | EI 120 – V – X – F – W 25 |

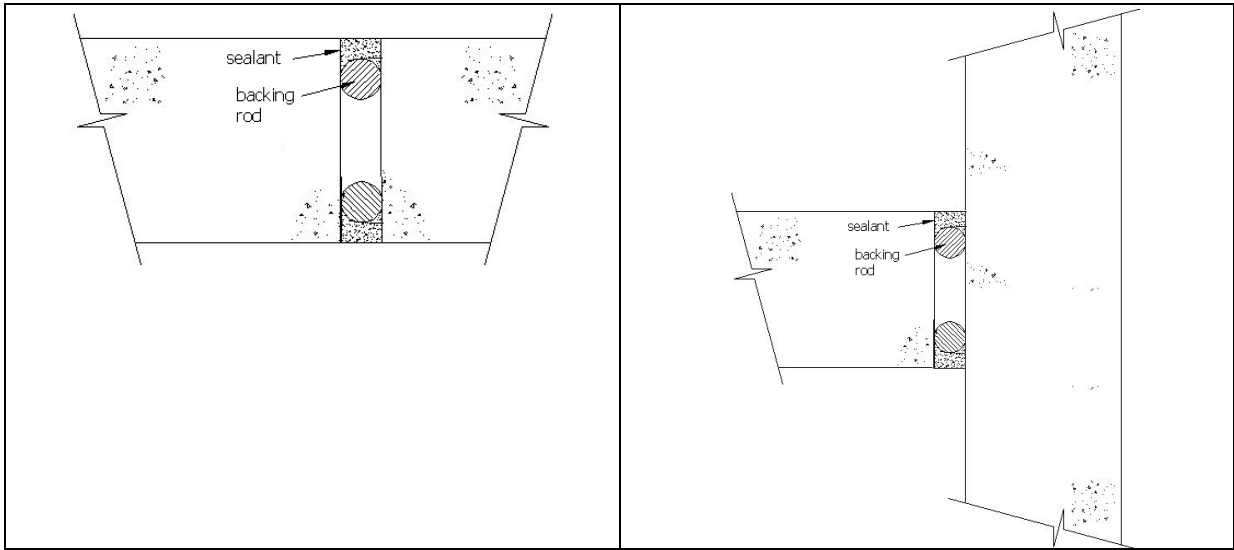
A.3.2 Linear joint or gap seal, horizontal linear joint seals, between the head of flexible walls minimum 100 mm thick and rigid floors



| Substrate | Depth (mm) | Backing | Classification |
|-------------------------------|------------|---|---------------------------|
| plasterboard / Concrete | 25 min. | 50 mm steel head track | EI 120 – T – X – F – W 20 |
| | 10 min. | 15 mm PE backer plus 50 mm steel head track | |

Rigid wall constructions according to 1.2.1 with wall thickness of minimum 100 mm

A.3.3 Linear joint or gap seal, vertically oriented with sealant to the exposed face

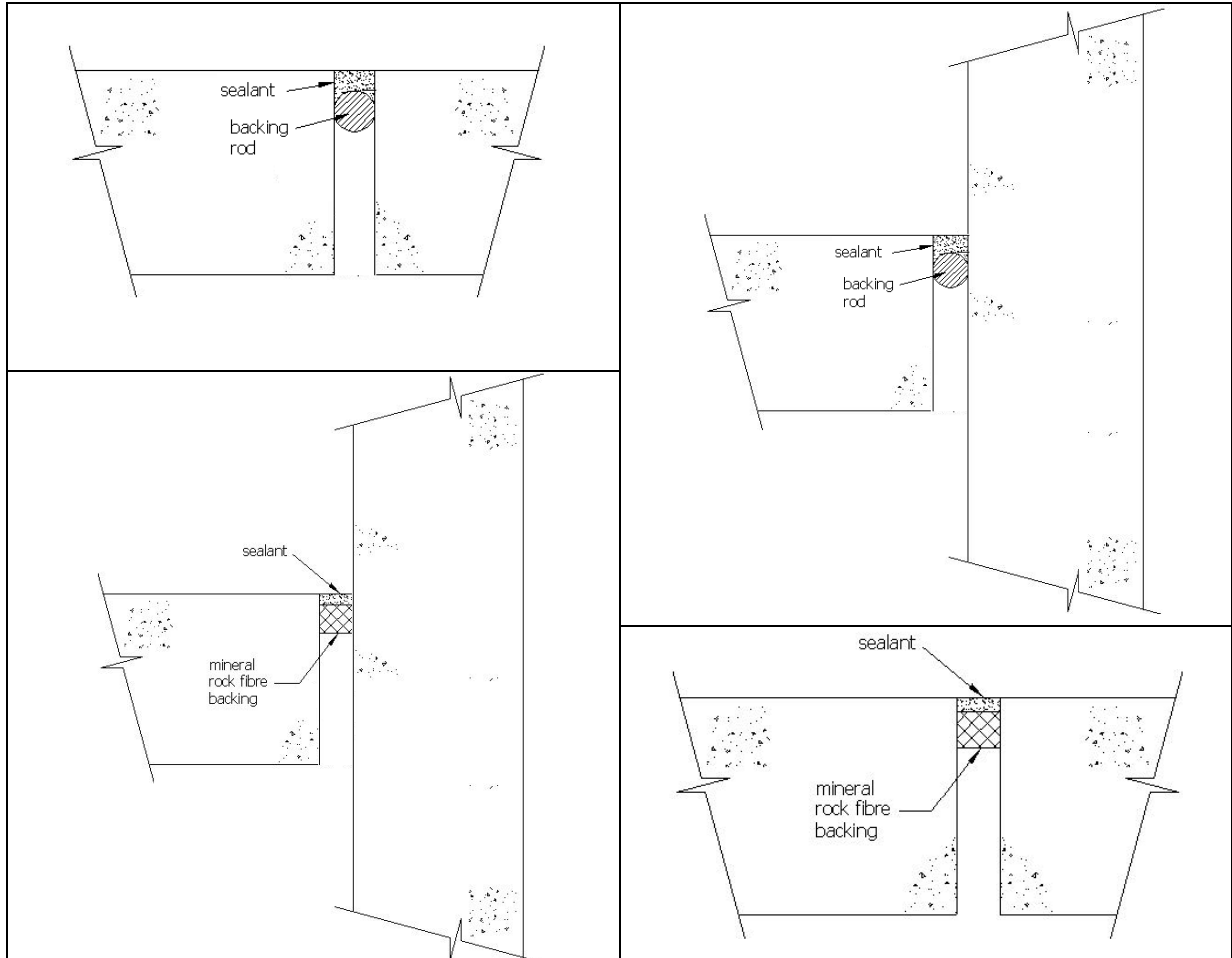


A.3.3.1

| Bostik Fire Bond Gap Seal+ Linear Joint Seals in Rigid Walls 100 mm thick (min.) – Sealant flush to both faces of the wall | | | |
|---|-------------------|------------------|---|
| Substrate | Depth (mm) | Backing | Classification |
| Masonry/ concrete | 15 min. | Polyethylene rod | E 240 – V – X – F – W 00 to 30 EI 120 – V – X – F – W 00 to 30 |

A.4 Rigid floor constructions according to 1.2.1 with wall thickness of minimum 150 mm

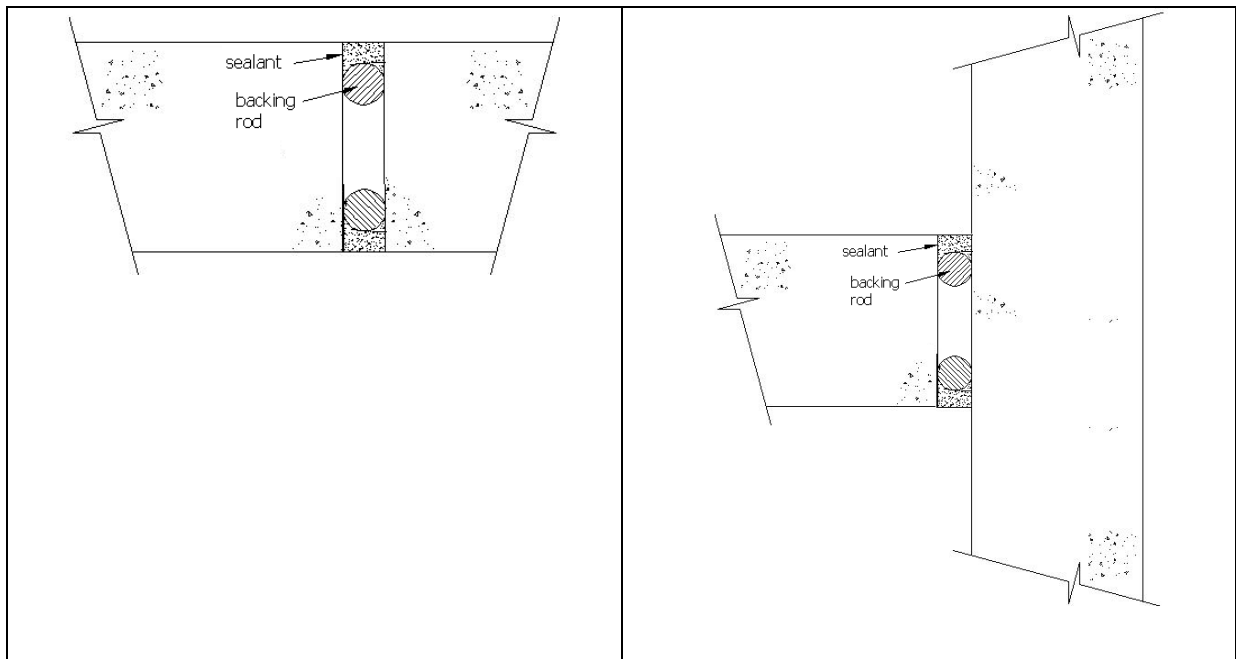
A.4.1 Linear joint or gap seal, between floor slabs or between floor slab and wall with sealant to the top face of the floor only



A.4.1.1

| Bostik Fire Bond Gap Seal+ Linear Joint Seals in Rigid Floors 150 mm thick (min.) – Sealant to the top of the floor only | | | |
|---|-------------------|--|---|
| Substrate | Depth (mm) | Backing | Classification |
| Masonry/ concrete | 10 min. | Stone wool 90 kg/m ³ 25 mm deep min. | E 240 – H – X – F – W 00 to 30 EI 180 – H – X – F – W 00 to 30 |
| | 15 min. | Polyethylene rod | E 90 – H – X – F – W 00 to 30 EI 45 – H – X – F – W 00 to 30 |
| | 10 min. | Polyethylene rod | E 240 – H – X – F – W 00 to 20 EI 60 – H – X – F – W 00 to 20 |
| | 10 min. | Polyethylene rod | E 240 – H – X – F – W 00 to 10 EI 120 – H – X – F – W 00 to 10 |

A.4.2 Linear joint or gap seal, between floor slabs or between floor slab and wall with sealant to the both faces of the floor



A.4.2.1

| Bostik Fire Bond Gap Seal+ Linear Joint Seals in Rigid Floors 150 mm thick (min.) – Sealant flush to both faces of the floor | | | |
|---|-------------------|------------------|---|
| Substrate | Depth (mm) | Backing | Classification |
| Masonry/ concrete | 10 min. | Polyethylene rod | E 240 – H – X – F – W 00 to 30 EI 180 – H – X – F – W 00 to 30 |
| Masonry/ concrete to steel | 10 min. | Polyethylene rod | E 240 – H – X – F – W 00 to 30 EI 90 – H – X – F – W 00 to 30 |