DECLARATION OF PERFORMANCE
YTELSESERKLÆRING

enligt Annex III Regulation (EU) 305/2011 (Construction Product Regulation

Produktnamn:

BOSTIK FP 403 Fireseal Hybrid

DoP- No. 612887-20-02-1

---

1. Entydig identifikasjonskode for produkttypen:

   BOSTIK FP 403 Fireseal Hybrid

2. Bruksområder

BRANNFORSEGLET MELLOM BYGNINGSDELER, LINEÆRE FUGER, HORISONTALT ELLER VERTIKALT

3. Produsentens namn:

   BOSTIK BENELUX B.V. ■ DENARIUSSTRAAT 11 ■ NL - 4903 RC OOSTERHOUT

4. Det eller de systemer for vurdering og kontroll av byggevarens konstante ytelse

   System 1

5. Europeiskt vurderingsdokument

   EAD 350141-00-1106, edition September 2017

   Europeisk teknisk vurdering:

   ETA-20/1119 of 15/06/2022

6. Tekniskt kontrollorgan:

   SKG-IKOB Certificatie BV

   Varselt testorgan:

   NB 0960 (SKG-IKOB Certificatie BV)

Bostik Benelux B.V.
Denariusstraat 11, NL-4903 RC Oosterhout, TheNetherlands
Phone: +31 (0)162 491 000
www.bostik.com

7. Angitt ytelse enligt EAD 350141-00-1106.

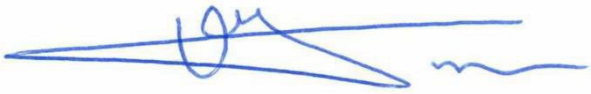
1.

Bostik FP 403 Fireseal Hybrid		
No	Vesentlige egenskaper	Ytelse
BWR 2 Sikkerhet vid brann		
1	Brannegenskap	B-s1,d0
2	Brannmotstand	Se annex A
BWR 3 Hygiene, helse og miljø		
3	Utslipp av kjemikalier som er farlige for miljø og helse	Erklæring fra produsenten
4	Lufttetthet	NPD
5	Vanntetthet	NPD
BWR 4 Sikkerhet og tilgjengelighet i bruk		
6	Mekanisk styrke og stabilitet	NPD
7	Motstand mot slag og bevegelse	NPD
8	Vedheft	Bestått
9	Varighet	Z2
10	Fugebevegelser	See annex A
11	Sykluser av tetting mot vegg	NPD
12	Komprejon	NPD
13	Lineær ekspansjon	NPD
BWR 5 Støybeskyttelse		
14	Luftlydisolering	Se annex B
BWR 6 Energistyring og termisk isolasjon		
15	Termiske egenskaper	NPD
16	Vannpermeabilitet	NPD

Bestik Benelux B.V.
Denariusstraat11, NL-4903 RC Oosterhout, The Netherlands
Phone: +31 (0)162 491 000
www.bostik.com

8. Ytelsen for varen som angitt, er i samsvar med ytelsen angitt. Denne ytelseserklæringen er utstedt på eget ansvar av produsenten, enligt (EU) nr 305/2011.

Undertegnet for og på vegne av produsenten av



V. Imbos

Vincent Imbos
Managing Director
Oosterhout, 19-06-2023

Bestik Benelux B.V.
Denariusstraat 11, NL-4903 RC Oosterhout, The Netherlands
Phone: +31 (0)162 491 000
www.bostik.com

BOSTIK

Annex A- Resistance to fire

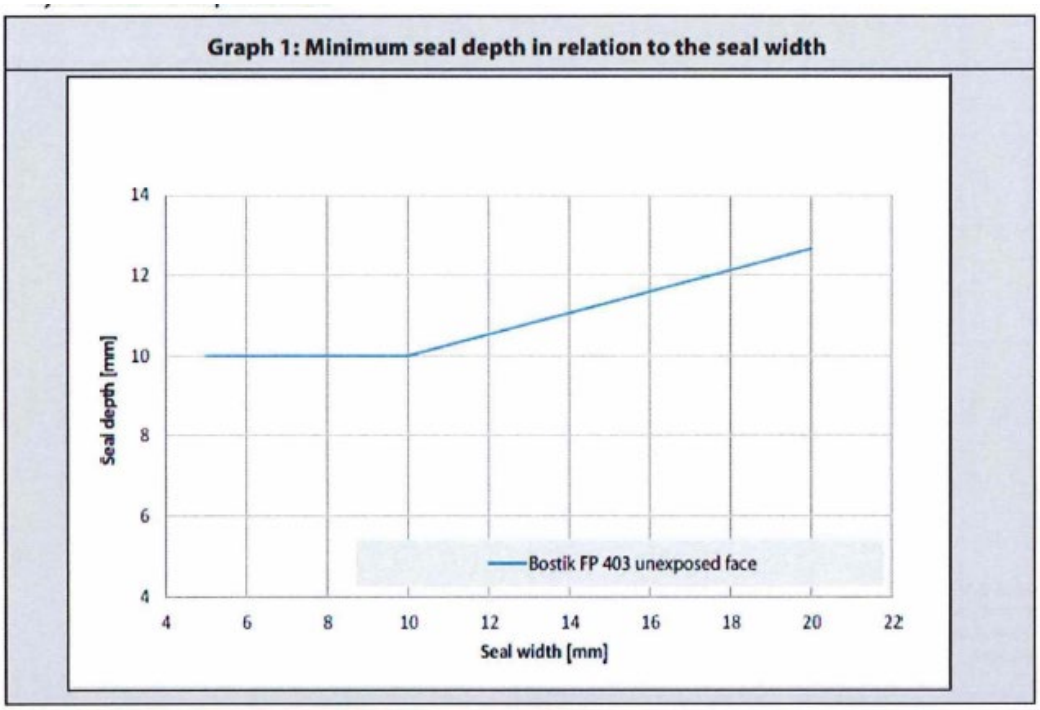
Fire resistance classification (vertical linear joint seals in a stone wall)
Connectlng stone to stone wall ≥ 70mm
Bostik FP 403 unexposed face
El 60- V - X- F -W S to 10
El 45 - V - X - F - W 10 to 20
E 240 - V - X - F - W 5 to 20

E = Crlterlon In1e91lty, I= Crlterlon In,ulatlon, V= Venk:al applicallon Ina verllcal wall. X= No movernent applied, f = Splice applied In the field, YI = Perml11ed wldth range In mllllme11es (see Graph I for seal depth)

The foliowing conditlons apply:

- the classlficatlons are valid for linear joint seals In a wall wlth an orlentation as rnentioned (vertlcal);
- the linear joint seals may connect to any type of wall of aerated concrete (class G4/600 or heavler), concrete, block work, limestone or masonry with a minimal thickness of 70 rnm;
- the surfaces of the materlal on whlch FP 403 FIreseal Hybrid is applied are thoroughly cleaned and treated with primer and molstened with water when needed;
- the use of sultable PE / PU backing material Is mandatory;
- the depth of FP 403 Fireseal Hybrid depends on the wldth of the linear joint seal. The minimum depth of FP 403 FIreseal Hybrid in relation to the wldth of the linear joint seal Is shown in Graph 1 below. The depth of the sealant may also be Increased wlth respect to the Graph (the lines are the minimum and recommended seal depth);
- the allowed movement capability In practlce Is maximized to 7.5 %;
- when FP 403 FIreseal Hybrid is applied at one face, the classificatlons are valid wlth FP 403 Fireseal Hybrid at the unexposed face.

Graph 1: Minimum seal depth in relation to the seal width



BOSTIK

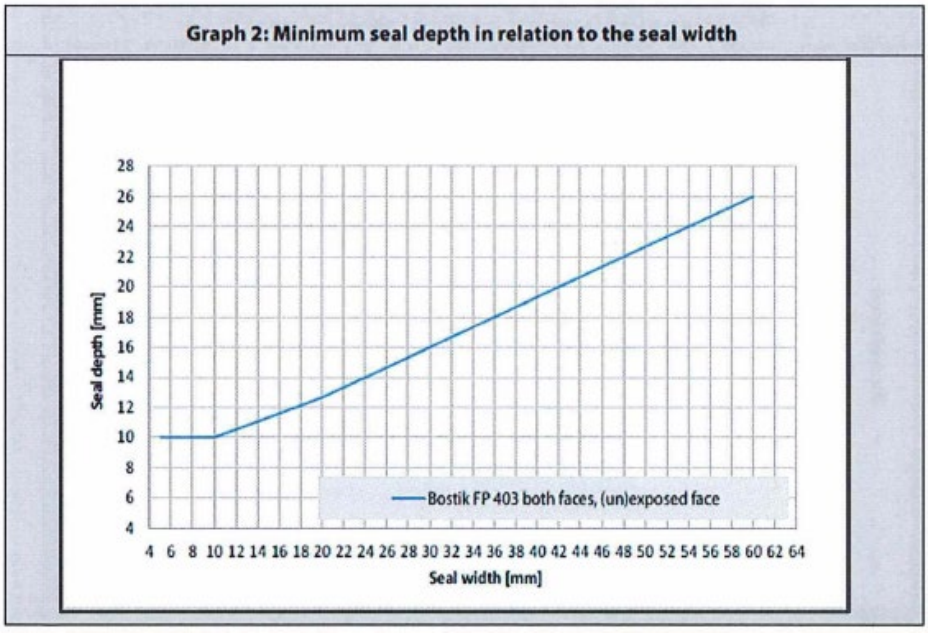
Fire resIstance classificatIon (vertIcal linear joint seals In a stone wall)			
	Connectlng ston• to stone Wall ≥100mm		
Bostik FP 403 expoHd face, Bostik FP 404 unexposed face	**Bostik FP 403 1pplled 1t exposed face**	**Bostik FP 403 1pplled at unexposed face**	**Bostik FP 403 1pplled It bothfaces**
EI 4S- V - X - F - W 8 10 40	EI 60-V-X- F-W S 1040	EI 60-V-X- F-W S10 40	EI 240 - V - X - F - W S 10 SO
E 120-V-X-F-W8Io40	E 120-V-X-F-WSIo40	E 240 - V - X - F - W S 10 40	EI 180-V-X- F -WSOIo 60
	EI 120 - T - X - F - W S to SO	EI 90 - T- X - F - W S to SO	E 240 - V - X - F - W S to 60
	E 180-T-X-F-WStoSO	E 240 - T - X - F - W S 10 SO	

E =CrIlerIon Integrtty,I= CrIterIon Inlulatlon, V=Ver1Ical applIc.allon In• wrtIcal wall, T = HorIZonul applIc.allon Inaverllcal wall, X= No rnovemenl applied,F = Spike applied 1n 1he •Id, W = P,rmlnedwldlh rangeInmlllllmeuesl•••Graph 2 10< ,eal d<pth)

The foliowing conditlons apply:

- the classlficatlons are valid for linear Joint seals In a wall wlth an orlentatlon as mentloned (vertical or horlzontal);
- the linear joint seals may connect to *any* type of wall of aerated concrete (class G4/600 or heavler), concrete, block work, llmestone or masonry wlth a minimal thickness of 100 mm;
- the surfaces of the materlal on which FP 403 Flreseal Hybrid or FP 404 Fire Retardant PU (Gun)Foam Is applied are thoroughly cleaned and treated wlth primer and molstened with water when needed;
- except for the linear joint seal in comblnatlon wlth FP 404 Fire Retardant PU (Gun)Foam, the use of sultable PE / PU backing materlal Is mandatory;
  the depth of FP 403 Fireseal Hybrid depends on the width of the linear Joint seal. The minimum depth of FP 403 Flreseal Hybrid In relation to the wldth of the linear Joint seal Is shown In Graph 2 below. The depth of the sealant may also be increased with respect to the Graph (the fines are the minimum and recommended seal depth). Where the rest of the slot Is fully filled with FP 404 Fire Retardant PU (Gun)Foam the seal depth of the FP 403 Flreseal Hybrid Is minimal 3 mm;
- the allowed movement capabllity In practlce Is maxlmlzed to 7.5 %;
- when FP 403 Fireseal Hybrid Is applied at both faces, the classificatlons are valid for both dlrections. When FP 403 Flreseal Hybrid is applied at one face, the classifications are valid wlth FP 403 Flreseal Hybrid at the unexposed face or at the exposed face.

Graph 2: Minimum seal depth in relation to the seal width



BOSTIK

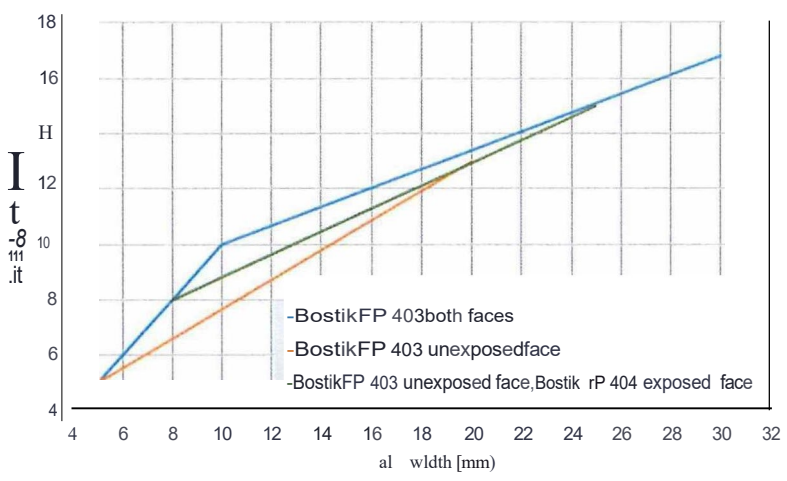
Fire resIstance classIfication (vertIcal linear Joint seals In a stone wall)		
Connecting stone to stone wall ≥ 115 mm		
Bostik FP 403 unexposed face, Bostik FP 404 exposed face	**Bostik FP 403 applied at unexposed face**	**Bostik FP 403 applied at both faces**
EI 180 - V - X - F - W 8 to 25	EI 60 - V - X - F - W *S* to 20	EI 240 - V - X - F - W 5 to 30
EI 240 - V - X - F - W 8	EI 180- V - X - F - W 5	E 240 - V - X - F - W 5 to JO
E 240 - V - X - F - W 8 to 25	E 240 - V - X - F - W 5 to 20	

I = c,11e,1on 1n1eg1lty, I= c,ue,lon In.ula11on,*V*= Venl<al applulion Ina W!rll<al wall, X= No movtm<!nl applied, F = Splice appll•d In 1he rield, *W* = I'etmllted wld<h range In mlllme11es(<ee Graph 3 for seal deplh)

The foliowing condltlons apply:

- the classIficatIons are valid for linear joint seals Ina wall wlth an orlentatlon as mentloned (vertIcal); the linear joint seals may connect to any type of wall of aerated concrete (class G4/600 or heavier), concrete, block work, limestone or masonry wlth a minimal thickness of 115 mm;
- the surfaces of the materlal on whlch FP 403 FIreseal Hybrid or FP 404 Fire Retardant PU (Gun)Foam Is applied are thoroughly cleaned and treated wlth primer and molstened wlth water when needed;
- except for the linear joint seal In comblnatlon wlth FP 404 Fire Retardant PU (Gun)Foam, the use of sultable PE / PU backing materlal Is mandatory;
- the depth of FP 403 FIreseal Hybrid depends on the wldth of the linear joint seal. The minimum depth of FP 403 FIreseal Hybrid In relation to the width of the linear joint seal Is shown In Graph 3 below. The depth of the sealant may also be Increased wlth respect to the Graph (the lines are the minimum and recommended seal depth). When applicable, the rest of the slot Is fully filled wlth FP 404 Fire Retardant PU (Gun)Foam;
- the allowed movement capablIity In practIce Is maxlmlzed to 7.5 %;
- when FP 403 FIreseal Hybrid Is applied at both faces, the classifications are valid for both dIrections. When FP 403 FIreseal Hybrid is applied at one face, the classIficatIons are valid wlth FP 403 Fireseal Hybrid at the unexposed face.

Graph 3: Minimum seal depth In relation to the seal wldth



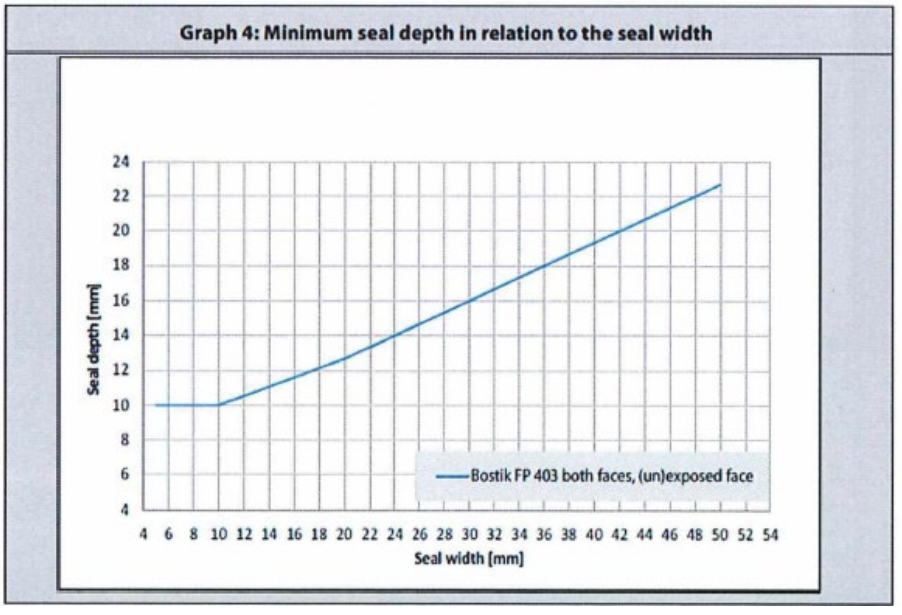
Fire resIstance classIficatIon (vertIcal linear joint seals Inastone wall)			
Connecting stone to stone wall≥150 mm			Connecting stone to stone wall ≥200 mm
Bostik FP 403 upoHd face, Bostik FP 404 unexposed face	Bostik FP 403 applied at exposed face	Bostik FP 403 applied at unexposed face	Bostik FP 403 exposfIl face, Bostik FP 404 unexposed face
EI 60 - V - X - F - W 8 to SO	EI 45 - T - X - F - W S to 50 E 240 - T - X - F - W 5 to SO	EI 90 - T - X - F - W S to 50 E 240 - T - X - F - W S to SO	EI 120 - V - X - F - W 8 to 50

E = CrIterIon In1eg11ty, I = CrIltrIon IntulatIon, V= VertIcal applIc.allon Ina vertIul wall, T= HorIzon1al applicatIon In a vertIul wall, X= No movemtnl applied. F = SpIIce applied In the field, *VI*= PermIlted wIdIh range In mIIIImetres (lee Graph 4 ΓO, seal depth)

The foliowing condItIons apply:

- the classIficatIons are valid for linear joint seals in a wall with an orientatIon as mentIoned (vertIcal or horizontal);
- the linear joint seals *may* connect to any type of wall of aerated concrete (class G4/600 or heavier), concrete, block work, limestone or masonry wIth a minimal thickness of 150 mm or 200 mm;
- the surfaces of the materIal on whIch FP 403 Fireseal Hybrid or FP 404 Fire Retardant PU (Gun)Foam Is applied are thoroughly cleaned and treated wIth primer and molstened wIth water when needed;
- except for the linear joint seal in combInatIon wIth FP 404 Fire Retardant PU (Gun)Foam, the use of suItable PE / PU backing material Is mandatory;
  the depth of FP 403 Fireseal Hybrid depends on the wIdth of the linear joint seal. The minimum depth of FP 403 FIreseal Hybrid In relation to the width of the linear joint seal Is shown In Graph 4 below. The depth of the sealant may also be increased wIth respect to the Graph (the lines are the minimum and recommended seal depth). Where the rest of the slot Is fully filled with FP 404 Fire Retardant PU (Gun)Foam the seal depth ofthe FP 403 FIreseal Hybrid Is minimal 3 mm;
- the allowed movement capabIlity in practice Is maxImIzed to 7.5 %;
- when FP 403 Fireseal Hybrid is applied at both faces, the classIficatIons are valid for both dIrections. When FP 403 FIreseal Hybrid is applied at one face, the classIfications are valid wIth FP 403 FIreseal Hybrid at the unexposed face or exposed face.

Graph 4: Minimum seal depth In relation to the seal width



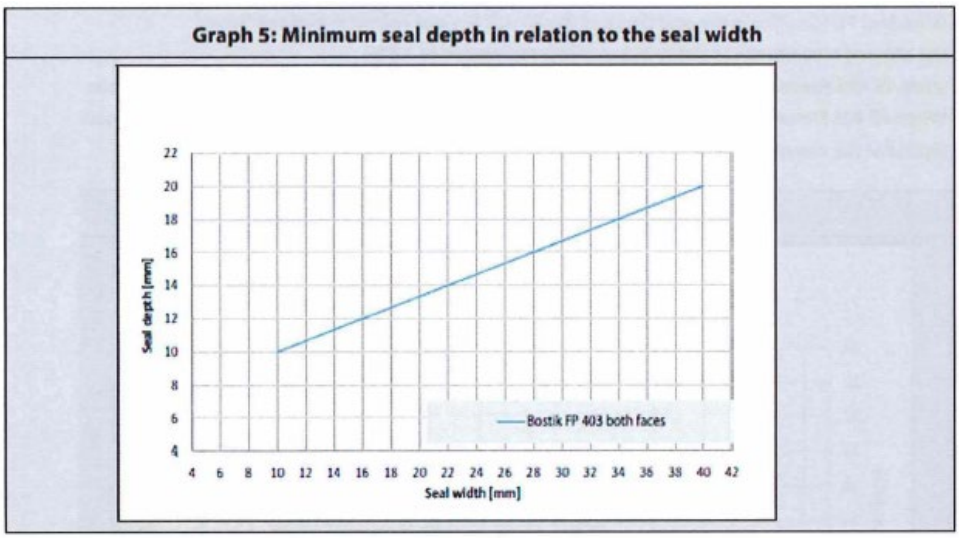
Fire resistance classification (Horizontal linear Joint seals In a stone wall and a wall abutting a floor)
Bostik FP 403 connectIng stone to stone, applied at both faces Wall/floor with thickness ≥ 100 mm EI 240 - T - M 25 - F - W 10 to 30 EI 180 - T - M 25 - F - W 30 to 40 E 240 - T - M 25 - F - W 10 to 40

E = C1ite1Ion In1e911ly, I= CJI1e1Ion ImulaIlon, T = Ho,tionral applIcallon Ina venlc.il wall and• wall abul!Ing a tloor, M = Movement Induced In 'K>,
f = SpIIceappII InIII<! neld, W= Peunlned wldlh range 111 mllllme11es (see Giaph Sfo, seal deplh)

The followIng conditIons apply:

- the classifications are valid for linear joint seals In a wall and a wall abutting a floor, ceiling or roof wIth an orientation as mentioned (horizontal);
- the linear Joint seals may connect to any type of construction of aerated concrete (class G4/600 or heavier), concrete, block work or masonry with a minimal thickness as mentioned (100 mm);
- the surfaces of the material on which FP 403 FIreseal Hybrid is applied are thoroughly cleaned and treated with Primer when needed;
- the use of suitable PE / PU backing materlal is mandatory;
- the requlred depth of FP 403 Fireseal Hybrid depends on the width of the linear Joint seal. The minimum depth of FP 403 FIreseal Hybrid In relation to the wIdth of the linear Joint seal is shown in Graph S below. The requlred depth of the sealant may also be Increased wIth respect to the Graph (the line gives the minimum and recommended seal depth);
- deformation of the linear Joint seals In practIce Is rnaxImized to 25 %;
- the classIficatIons are valid for both dIrectIons.

Graph 5: Minimum seal depth in relation to the seal width



Fire resistance classification (linear joint seals In a floor with thickness ≥100 mm)	
Applied at exposed side	**Applied at unexposed side**
EI 90 - H - X - F - W 10 EI 30 - H - X - F - W 10 to 40 E 120 - H - X - F - W 10 to 40	EI 120 - H - X - F - W 10 EI 60 - H - X - F - W 10 to 40 E 120- H - X- F -W 10 to 25 E60-H-X-F-W40

E = CrlterIon Integrlly, I= CrltorIon InsulaUol\ H = HorIzont•I supporllng construcUon (nOOf), X= No movement applied
F = SpllceapplIed In the•Id. W = PermItred wtdth range In mlllImetre, (see Graph 3 *(o,* staldtpth)

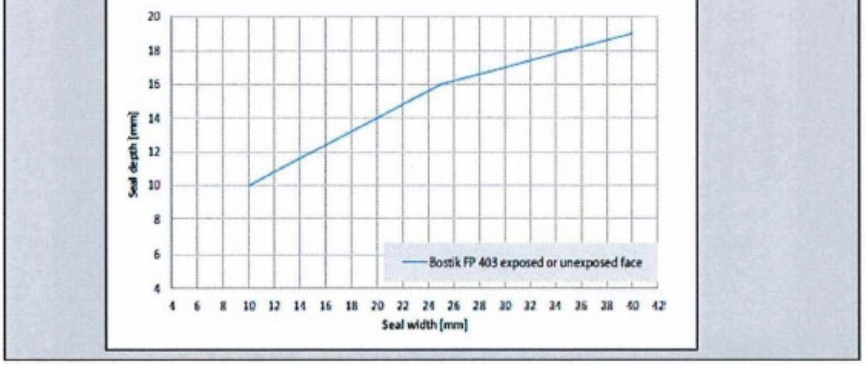
Fire reslstance classlficatIon (linear joint seals In a wall abuttIng a floor wIth thickness both ≥ 100 mm)	
Applied at exposed side	**Applied at unexposed side**
EI 90 - T - X - F - W 10 EI 30 - T - X - F - W 10 to 40 E 120 - T - X - F - W 10 to 40	EI 120 - T - X - F - W 10 EI 60 - T - X - F - W 10 to 40 E 120 - T - X - F - W 10 to 25 E60-T-X-F-W40

E =CrllerIon Integrlly, I= CrllerIon InsulallolI T = HorIzontal applIcallon In• wall abu111ng • floo,, X= No mavement applied,
F = SpllceppIltd In **theeld**, **W** = PermIlled w1dth rang• In mlllimetre> **(se,** Graph **6** *(o,* s•aldepth)

The followIng conditIonsapply:

- the linear joint seals may be applied at any type of floor and / or wall of aerated concrete (class G4/600 or heavIer), concrete, block work, llmestone or masonry wIth a minimal thickness as mentIoned above.Ina floor applIcatIon, the fire reslstance applIes from below.The fire resistance In a wall abuttIng a floor applIcatIon Is valid form one side;
- the classIficatIons are *!IQI* valid for horIzontally orIentated joints Ina wall;
- the surfaces of the materIal on whIch the FP 403 FIreseal Hybrid Is applied are thoroughly cleaned and treated wIth Primer when needed;
- the use of sultable PE / PU backing materIal Ismandatory;
- the requIred depth of the FP 403 FIreseal Hybrid depends on the wIdth of the linear joint seal. The minimal depth of the sealant In relation to the wIdth of the linear joint seal Is shown In Graph 6 below. The requIred depth of the sealant may also be Increased wIth respect to the Graph (the line gives the minimum and recommended seal depth);
- the allowed movement capabllity In practIce Is maxImIzed to 7.5%.

Graph 6: Minimum seal depth in relation to the seal width



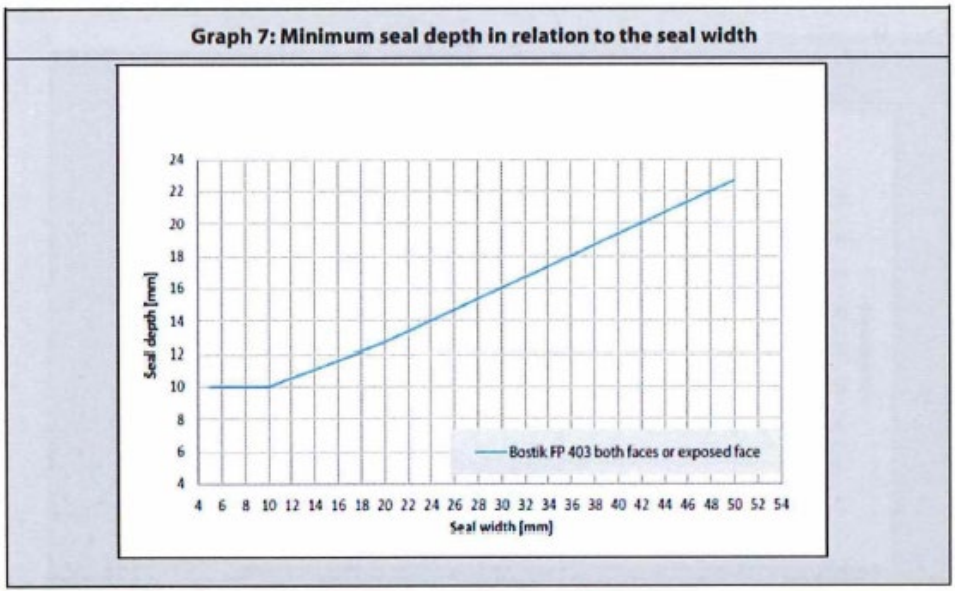
Fire resistance classification
Applied at both faces
Wall abutting a floor
Wall thickness ≥100 mm / Floor thickness ≥ 150 mm
EI 240 - T - X - F - W 5 to 50
Applied at exposed face
Wall abutting a floor
Wall thickness ≥100 mm/ Floor thickness ≥ 150 mm
EI 30 - T - X - F - W 5 to 50
E 180 - T - X - F - W 5 to 50

E =Crlttrk>n lnIegrlty, I= Crlte,ron lnJulatJon. r = Hotlzontal applicallon Ina Ytrllcal wall (lbuttlng a rloor),
X= No movem•nt applied. F = Splice applied In the held, W= Permln ed width range In mllllm tre. (dtpth see condltlomJ

The followlng condltlons apply:

- the classlficatlons are valid for a horlzontal orlentatlon In a vertlcal wall or for a horlzontal orlentatlon Ina vertlcal wall abuttlng a horlzontal floor;
- the linear joint seals may be applied at both sides or one side to any type of wall of aerated concrete (class G4/600 or heavier), concrete, block work, limestone or masonry wlth a minimal thickness of 100 mm for the wall and a minimal thickness of 1SO mm for the floor;
- the surfaces of the materlal on whlch the sealant Is applied are thoroughly cleaned and treated wlth Primer when needed;
- the use of sultable PE / PU backing materlal Is mandatory;
- the requlred depth of the FP 403 Fireseal Hybrid depends on the wldth of the linear joint seal. The minimal depth of the sealant In relation to the wldth of the linear joint seal Is shown In Graph 7. The requlred depth of the sealant may also be Increased wlth respect to the Graph (the line gives the minimum and recommended seal depth);
- the linear joint seals are tested without mechanlcally induced movement, therefore the allowed movement capability In practlce Is maxlmlzed to 7.5 %;
- the classlficatlons are valid for the tested directlons.

Graph 7: Minimum seal depth in relation to the seal width



BOSTIK

Fire resistance classification (vertical linear Joint seals In a stone wall)		
Bostik FP 403 applied at both faces, connectlng stone to wood	**Bostik FP 403 applied at both faces, connecting stone to steel**	
Wall thlckness ≥ 100 mm	**Wall thlckness ≥ 100 mm**	**Wall thlckness ≥ 150 mm**
El 120 - V - X - F - W 5 to 20 E 120 -V - X - F - W 5 to 20	El 30 - V - X - F - W 5 to 20 El 45 - V - X - F - W 20 E 120 - V - X - F - W 5 to 20	El 60 - V - X - F - W 5 to 20 E 120 - V - X - F - W 5 to 20

Fire resistance classification (horizontal linear joint seals In a stone wall)		
Bostik FP 403 applied at both faces, connecting stone to wood	**Bostik FP 403 applied at both faces, connecting stone to steel**	
Wall thickness ≥ 100 mm	**Wall thickness ≥100 mm**	**Wall thickness ≥: 150 mm**
El 120 - T - X - F - W 5 to 20 E 120 - T - X - F - W 5 to 20 E 240 - T - X - F - W 20	El 45 - T - X - F - W 5 to 20 El 60 - T - X - F - W 20 E 120 - T - X - F - W 5 to 20	El 90 - T - X - F - W 5 to 20 El 120- T - X- F -W 20 E 120 - T - X - F - W 5 to 20

Fire resistance classification (vertical and horizontal linear Joint seals In a stone wall)	
Fully filled with Bostik FP 403, vertically **orientated, connectlng stone to steel**	Fully filled with Bostik **FP 403,** horizontally **oriented, connectlon stone to steel**
Wall thlckness ≥100 mm	**Wall thlckness ≥100 mm**
El 45 - V - X - F - W 20	El 90 - T - X - F - W 20
E 120-V- X - F -W 20	E 120 - T - X - F - W 20

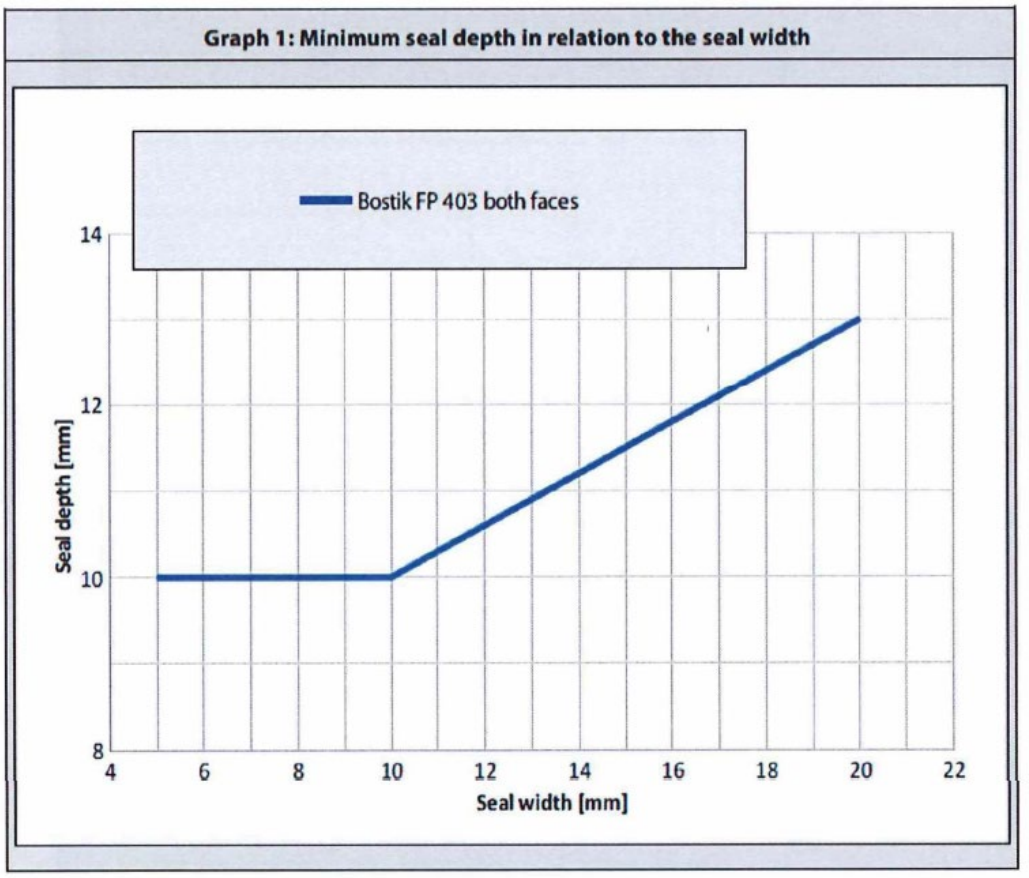
E =Crlttrlon lnte9 1y, I= Ctllerlon ln1ulallon, V= Venlcal applicallon Ina verllcal wall,T =Horlzontal applicallon Ina vertlcal wall
X= No movement applied, F = Spli<e applied In the fteld, W= Petmlned wldth range In mlllimetre1(iee Graph I for 1eal depth)

The foliowing conditlons apply:

- the classlficatlons are valid for linear joint seals Ina wali wlth an orlentatlon as mentloned (vertlcal or horlzontal);
- the linear joint seals may connect to any type of wali of aerated concrete (class G4/600 or heavler), concrete, block work, limestone or masonry. At the other side, the linear joint seals may connect to:
  - any type of wooden construction with a density of 500±50 kg/m^3 or hlgher where the wooden construction Is placed over the full thickness of the wall or at least 100 mm, or;
  - any type of steel construction wlth a melting point above 1000°c and the steel constructlon Is placed over the fuli thickness of the wali or as mentloned;
- the surfaces of the materlal on whlch FP 403 Fireseal Hybrid Is applied are thoroughly cleaned and treated with primer when needed;
- except for the fully filled linear joint seals, the use of sultable PE / PU backing materlal Is mandatory;
- except for the fuliy filied linear joint seals, the requlred depth of FP 403 Flreseal Hybrid depends on the wldth of the linear Joint seal. The minimum depth of FP 403 Flreseal Hybrid In relation to the wldth of the linear joint seal Is shown In Graph 1. The requlred depth of the sealant may also be Increased wlth respect to the Graph (the line Is the minimum and recommended seal depth);
- the allowed movement capabillty In practice Is maximlzed to 7.5 %;
- the classifications are valid In both dlrectlons.

BOSTIK

Graph 1: Minimum seal depth in relation to the seal width



Classification of the fire reslstance *Bostik FP 403 In combination wlth Bostik FP 404 fPU loamJ*

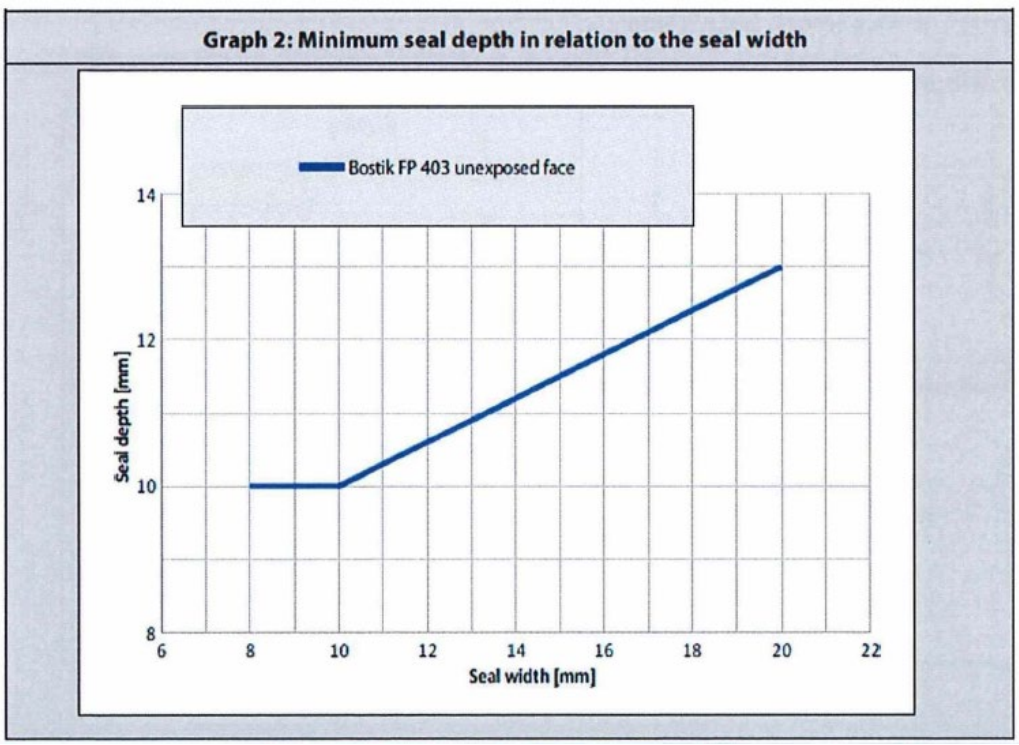
Fire resistance classification (Bostik FP 403 in combination with Bostik FP 404)	
Bostik FP 403 applied at the unexposed face, Bostik FP 404 applied at the exposed face, vertkally orlentated connecting stone to wood	**Bostik FP 403 applied at the unexposed face, Bostik FP 404 applied at the exposed face, horlzontally orlentated connecting stone to wood**
Wall thickness ≥ 100 mm	**Wall thickness ≥100 mm**
EI 120 - V - X - F - W 8 to 20	EI 120 - T - X - F - W 8 to 20
E 120 - V - X - F - W 8 to 20	E 120 - T - X - F - W 8 to 20

E = Crltotlon lntegrlty, I= Cllterlon In<ulatlon, V= Vertlcal appllutlon Ina vertlc.al wall.T =HOflzontal appllcauon In• wrtlcal wall
X= No mowment applied. F = Splice applied In the field, W = Permlntd wldth range In mllllmetre_s (stt Graph 2 fOfse_al deplh)

The followlng conditions apply:

- the classlficatlons are valid for linear Joint seals In a wall wlth an orientatlon as mentloned (vertlcal or horlzontal);
- the linear Joint seals may connect to any type of wall of aerated concrete (class G4/600 or heavler), concrete, block work, limestone or masonry. At the other side, the linear Joint seals may connect to any type of wooden construction wlth a density of 500±50 kg/m^3 or more and the wooden constructlon Is placed over the full thickness of the wall or at least 100 mm;
- the surfaces of the material on which FP 403 Flreseal Hybrid and Bostik FP 404 Fire Retardant PU (Gun)Foam Is applied are thoroughly cleaned and treated wlth primer and molstened with water when needed;
- the requlred depth of FP 403 Flreseal Hybrid depends on the width of the linear Joint seal. The minimum depth of FP 403 Flreseal Hybrid In relation to the width of the linear joint seal Is shown In Graph 2 below. The requlred depth of the sealant may also be lncreased wlth respect to the Graph (the line Is the minimum and recommended seal depth).The rest of the slot Is fuliy filled wlth Bostik FP 404 Fire Retardant PU (Gun)Foarn;
- the allowed movernent capabillty In practice Is maxlmlzed to 7.5 %;
- the classlficatlons are valid for FP 403 Flreseal Hybrid applied at the unexposed face.

Graph 2: Minimum seal depth in relation to the seal width



BOSTIK

Fire reslstance classlficatlon (vertlcal linear joint seals In a gypsum and/ or stone wall)			
Bostik FP 403 connecting gypsum to stone, applied at both faces		**Bostik FP 403 connecting gypsum to gypsum, applied at both faces**	
Wall thickness ≥75 mm	**Wall thickness ≥ 100 mm**	**Wall thickness ≥75 mm**	**Wall thickness ≥100 mm**
See figure 1	See figure 2	See figure 3	See figure 4
EI 60 - V - X - F - W 10	EI 120-V- X- F -W 10	EI 60 - V - X - F - W 10	EI 120 - V - X - F - W 10

E = Crllerlon In1egr11y, 1 = Criterlon lniulallon, V= Venlcal applic.atlon Ina verllcal wall. X= No mov,;ment applied, F = Splice applied In the field, YI = l'Hmltted wldth range In millimetres (depth see condilloruJ

The followlng conditlons apply:

- the classlficatlons are valid for linear Joint seals in a wall wlth an orlentatlon as mentioned (vertlcal); the linear Joint seals may connect to any type of wall of aerated concrete (class G4/600 or heavier), concrete, block work, limestone or masonry wlth a minimal thickness as mentloned (75 or 100 mm);
- the linear Joint seals may connect to a gypsum wall with a minimum thickness as mentioned (75 or 100 mm). In practice, the metal profiles of the gypsum wall are mechanlcally fixed at a distance every 300 mm or less. Mechanically fixation of the metal profiles Is mandatory;
- the classificatlons are only valid for constructlons shown in figures 1 to 4;
- the surfaces of the material on which the sealant is applied are thoroughly cleaned and treated wlth primer when needed;
- the depth of FP 403 Fireseal Hybrid In a wall of 75 mm is 12.5 mm at both faces, representing the full thickness of the gypsum panel, see figures 1 and 3. The depth of FP 403 Fireseal Hybrid in a wall of 100 mm is 1S mm at both faces. The rest of the cavlty behlnd the sealant Is filled up with suitable PE / PU backing material, see figures 2 and 4;
- the allowed movement capablllty In practlce is maxlmlzed to 7.5 %;
- the classificatlons are valid for both dlrectlons.

Figure 1: wall gypsum to stone thickness ≥ 75 mm

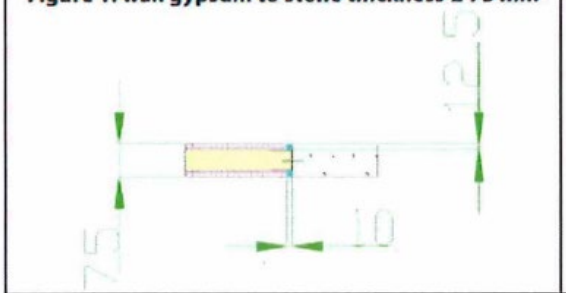


Figure 2: wall gypsum to stone thickness ≥ 100 mm

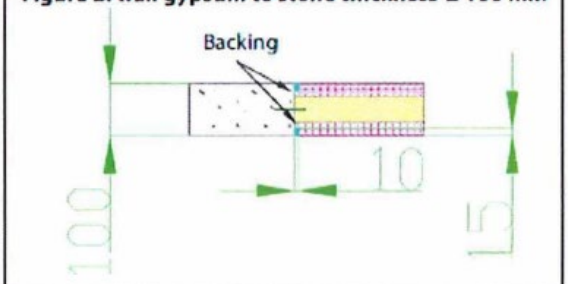


Figure 3: wall gypsum to gypsum thickness ≥ 75 mm

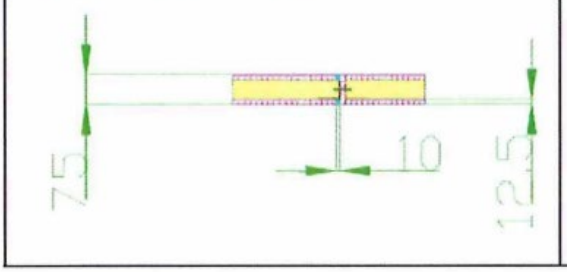
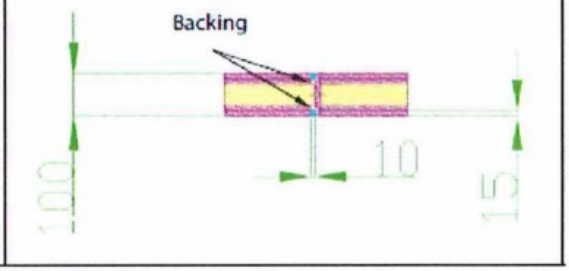


Figure 4: wall gypsum to gypsum thickness ≥ 100 mm



BOSTIK

Fire resistance classification (Horizontal linear joint seals lna gypsum and stone wall and a gypsum wall abutting a floor)			
Bostik FP 403 wall thickness ≥ 75 mm		Bostik FP 403 wall thickness ≥ 100 mm	
Applied at the unexposed face, see figure 5	Applied at both faces, see figure 6	Applied at the unexposed face, see figures 7 and 9	Applied at both faces. see figures 8 and 10
EI 60 -T- M25' - F -W 10	EI 60-T- M25[1] - F -W 10	EI 120-T- M 25[1] - F -W 10	10

E = Crlterlon lnu.grlty, I= C,lterlon lnsulallon. T = Hortzontal applic.atlon lna vertlc.al wall and wall abutllng a floor, M 25 = Movement loduced 25 'lo, F = Splleapplied In theeld, W =Permltted wldth oange In mllllmetres (dep1h see condl!lons)

The followlng conditlons apply:

- the classlficatlons are valid for linear joint seals In a wall and a wall abutting a floor, celllng or roof with an orientation as mentioned (horizontal);
- the linear joint seals may connect to any type of constructlon of aerated concrete (class G4/600 or heavler), concrete, block work or masonry wlth a minimal thickness as mentloned (75 or 100 mm);
- the linear joint seals may connect to a gypsum wall wlth a minimum thickness as mentloned. In practlce, the metal profiles of the gypsum wall are mechanically fixed at a distance every 300 mm or less. Mechanlcally fixation of the metal profiles Is mandatory;
- the classlfications are only valid for constructlons shown In figures 5 to 10;
- the surfaces of the material on whlch the sealant is applied are thoroughly cleaned and treated wlth primer when needed;
- the depth of FP 403 Flreseal Hybrid In a wall of 75 mm Is 12.5 mm at both faces or at the unexposed face, representlng the full thickness of the gypsum panel, see figures 5 and *6;*
- the depth of FP 403 Flreseal Hybrid In a wall of 100 mm is 12.5 mm at both faces or at the unexposed face, representlng the full thickness of the gypsum panel, see figures 9 and *10;*
- the depth of FP 403 Flreseal Hybrid in a wall of 100 mm is 15 mm at both faces or at the unexposed face. The rest of the cavlty behind the sealant is completely filled up wlth suitable PE / PU backing material, see figures 7 to *8;*
- the allowed movement capablllty of the linear Joint seals In practlce Is maxlmized to 25 %;
- when FP 403 Fireseal Hybrid Is applied at both faces, the classificatlons are valid for both dlrectlons. When FP 403 Flreseal Hybrid is applied at one face, the classifications are valid wlth FP 403 Flreseal Hybrid at the unexposed face.

BOSTIK

Figure 5: wall gypsum to stone thickness ≥ 75 mm

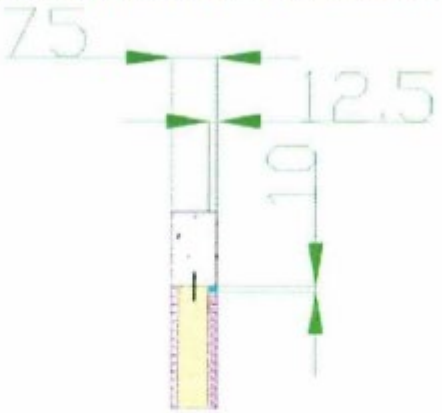


Figure 6: wall gypsum to stone thickness ≥ 75 mm

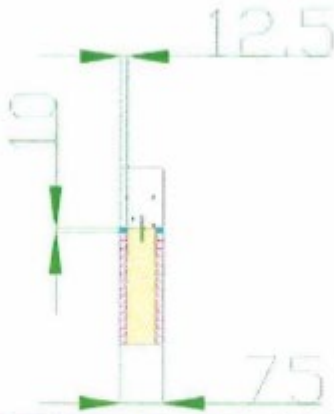


Figure 7: wall gypsum to stone thickness ≥ 100 mm

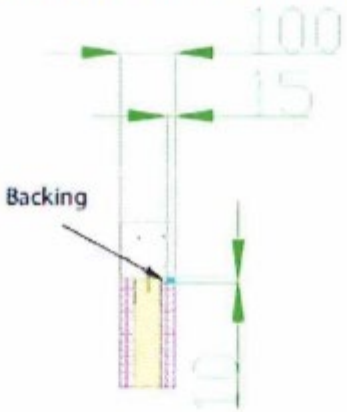


Figure 8: wall gypsum to stone thickness ≥ 100 mm

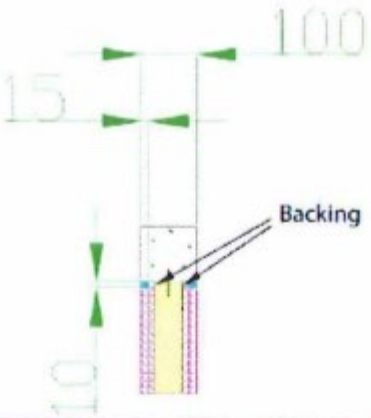


Figure 9: wall gypsum to stone thickness ≥ 100 mm

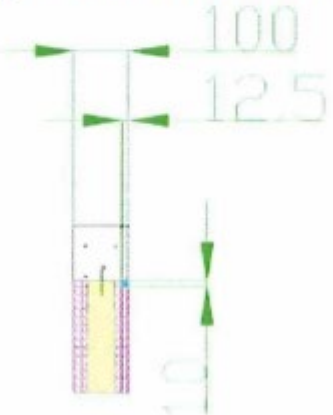
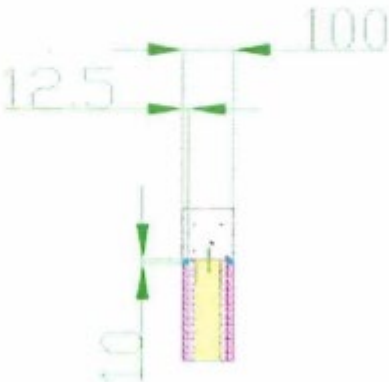
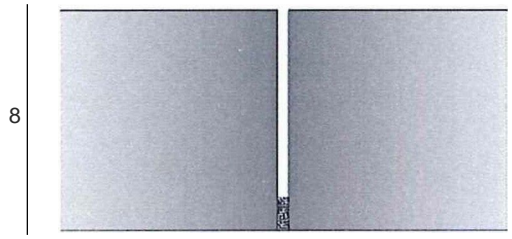
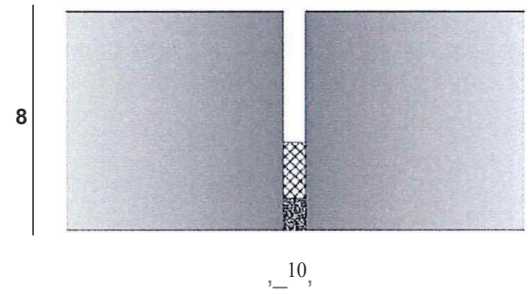
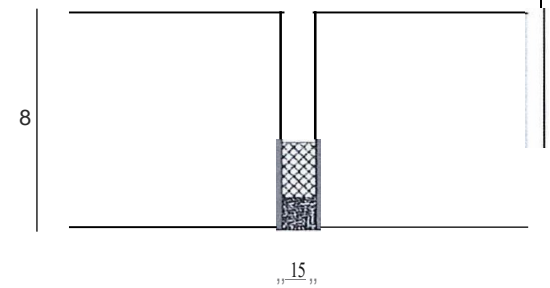
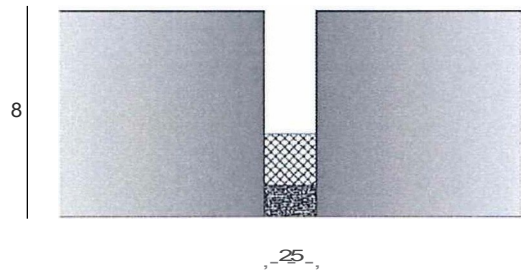


Figure 10: wall gypsum to stone thickness ≥ 100 mm



Annex B- Airborne sound insulation

Joint Width = 5 mm	
Joint Width = 10 mm	
Joint Width = 15 mm	
Joint Width = 25 mm	

The Bostik FP 403 Fireseal Hybrid sealant, 10 mm depth is backed with PE / PU backer rod.

	Jointwidth			
	5mm	10mm	15mm	25mm
Rs,w(C;C1r)	51(-1;-3) dB	53(-1;-4) dB	51(-1;-3) dB	52(-1;-4) dB
C100.5000;C1r;100-sooo	(0;-3) dB	(0;-4) dB	(0;-3) dB	(0;-4) dB
Cso.31so;C1r;50-31so	{-1;-6)dB	(-2;-8) dB	{-1;-6)dB	(-1;-7) dB
Cso-sooo;C1,;so-sooo	(0;-6) dB	(-1;-8)dB	(0;-6) dB	(0;-7) dB
Dn,e,w	60 dB	60 dB	58 dB	59 dB
Rw	30 dB	33 dB	33 dB	36 dB