DECLARATION OF PERFORMANCE
Prestandadeklaration

I enlighet med bilaga III till förordning (EU) 305/2011 (Construction Product Regulation)

Produktnamn:

BOSTIK FP 402 Fireseal Silicone

DoP- No. 622931-20-01-1

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1. Produktens unika identifikationskod:

   BOSTIK FP 402 Fireseal Silicone

2. Avsedd användning:

   BRANDTÄTNING MELLAN BYGGNADSDELAR, LINJÄRA FOGAR, HORISONTELLT ELLER VERTIKALT

3. Tillverkarens namn:

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

4. Systemet eller systemen för bedömning av fortlöpande kontroll av byggproduktens prestanda

   System 1

5. Europeiskt bedömningsdokument

   EAD 350141-00-1106, edition September 2017

   Europeisk teknisk bedömning:

   ETA-20/1249 of 07/06/2022

6. Tekniskt bedömningsorgan:

   SKG-IKOB Certificatie BV

   Anmält testorgan:

   NB 0960 (SKG-IKOB Certificatie BV)

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

7. Angiven prestanda enligt EAD 350141-00-1106.

Bostik FP 402 Fireseal Silicone		
No	Väsentliga egenskaper	Prestanda
BWR 2 Säkerhet vid brand		
1	Brandklass	B-s1,d0
2	Brandmotstånd	Se annex A
BWR 3 Hygien, hälsa och miljö		
3	Innehåll, emissioner och/eller frigörande av farliga ämnen	Deklaration från tillverkaren
4	Luftgenomsläpplighet	NPD
5	Vattenpermeabilitet	NPD
BWR 4 Säkerhet och tillgänglighet vid användning		
6	Mekanisk hållfasthet och stabilitet	NPD
7	Motstånd mot påverkan och rörelse	NPD
8	Vidhäftning	Godkänd
9	Hållbarhet	Z2
10	Rörelseförmåga	See annex A
11	Cykler av försegling mot vägg	NPD
12	Kompression	NPD
13	Linjär expansion	NPD
BWR 5 Bullerskydd		
14	Luftljudsisolering	See annex B
BWR 6 Energihushållning och värmeisolering		
15	Termiska egenskaper	NPD
16	Vattenpermeabilitiet	NPD

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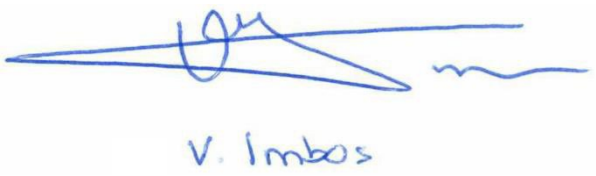
8. Prestandan för ovanstående produkt överensstämmer med den angivna prestandan. Denna prestandadeklaration har utfärdats i enlighet med förordning (EU) nr 305/2011 på eget ansvar av den tillverkare som anges ovan.

Undertecknat för tillverkaren av:



Vincent Imbos
Managing Director
Oosterhout 19-09-2023

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Annex A - Resistance to fire

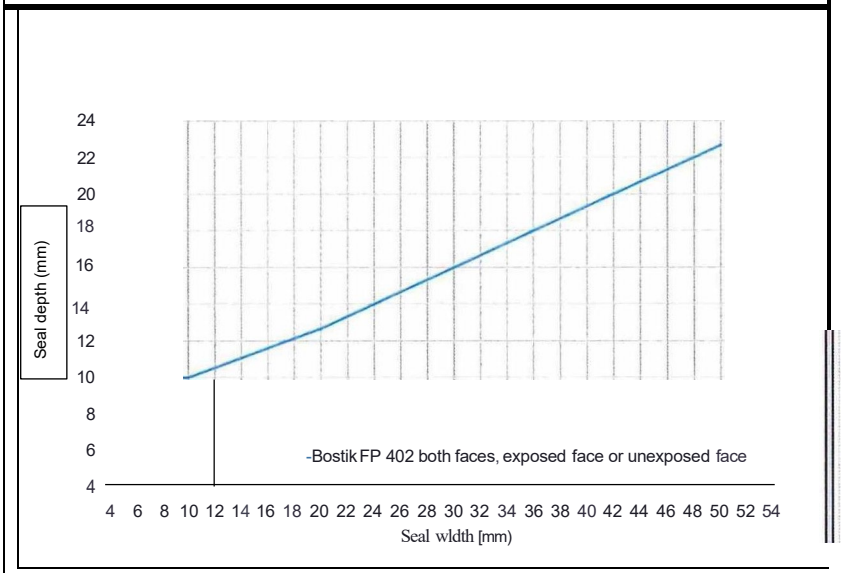
Fire resistance classification (linear joint seals in a stone wall)		
Connec:tlng stone to stone wall thickness ≥ 100 mm		
Bostik FP 402 at both faces	**Bostik FP 402 at exposed face**	**Bostik FP 402 at unexposed face**
EI 180 - V - X - F - W *5* to 50	EI 30 - V - X - F - W *5* to 40	EI 60 - V - X - F - W *5* to 40
E 240 - V - X - F - W *5* to 50	EI 30 - T - X - F - W *5* to 50	E 240 - V - X - F - W *5* to 40
EI 180 - T - X - F - W *5* to 50		EI 60 - T - X - F - W *5* to 50
E 240 - T - X - F - W *5* to 50		

E = Criterion Integrity, I= Criterion Insulation, V= Vertical application Ina ve,1ical wall. T = Horizon1al applica1ion Ina vertical wall.
X= No movemen1 applied, F = Splice applied In 1he field. W = Permined wid1h range In mIIIme11e< (see Graph I ro, seal depih)

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 as mentioned (100 mm);
- the surfaces of the material on which FP 402 Fireseal Silicone is applied are thoroughly cleaned and treated with Primer and moistened with water when needed;
- the use of suitable PE / PU backing material is mandatory;
- the required depth of FP 402 Fireseal Silicone depends on the width of the linear joint seal. The minimum depth of FP 402 Fireseal Silicone in relation to the width of the linear joint seal is shown in Graph 1 below. The required depth of the sealant may also be increased with respect to the Graph (the lines are the minimum and recommended seal depth);
- the allowed movement capability in practice is maximized to 7.5 %;
- when FP 402 Fireseal Silicone is applied at both faces, the classifications are valid for both directions. When FP 402 Fireseal Silicone is applied at one face, the classifications are valid with FP 402 Fireseal Silicone at the unexposed face or at the exposed face.

Graph 1: Minimum seal depth In relation to the seal wIdth



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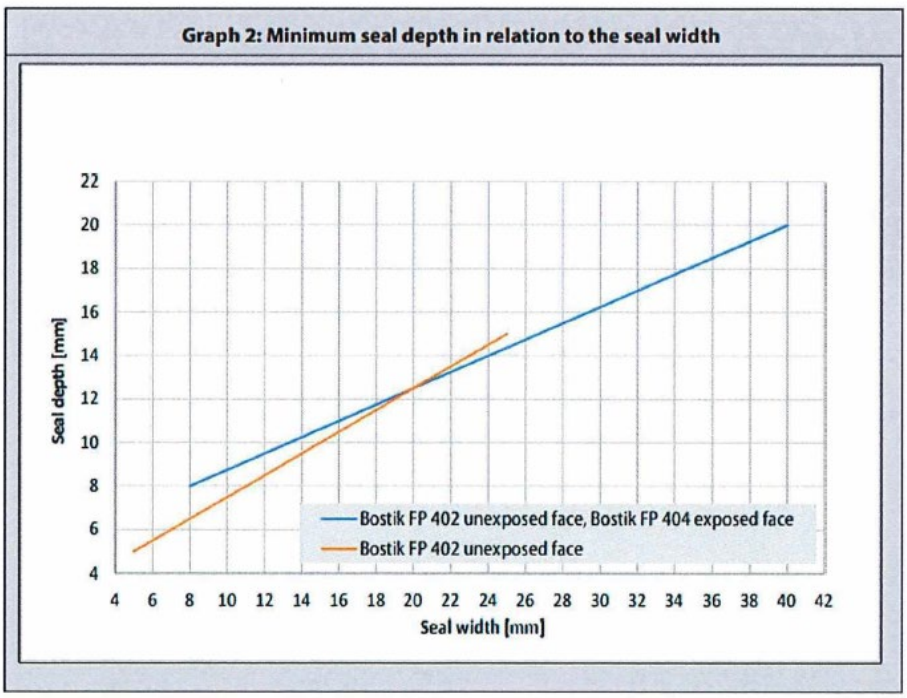
Fire resistance classification (vertical linear joint seals In a stone wall)	
Connecting stone to stone wall thickness ≥ 115 mm	
Bostik FP 402 at unexposed face, **Bostik FP 404 exposed face** EI 180 - V - X - F - W 8 to 40 EI 240 - V - X - F - W 8 E 240 - V - X - F - W 8 to 40	**Bostik FP 402 at unexposed face** EI 60 - V - X - F - W 5 to 25 EI 240 - V - X - F - W 5 E 240 - V - X - F - W 5 to 25

E = Criterion Integrity, I= Crite.rion Insulation, V= Ve,rical application Ina venical wall. X =- No movement applied,F = Spike apphed tn the field, W = Pe,mitted width range,In milllmet,es (see Graph 1 for seal depth)

The foliowing conditions apply:

- the classifications are valid for linear joint seals in a watt with an orientation as mentioned (vertical);
- the linear joint seals may connect to any type of watt of aerated concrete (class G4/600 or heavier), concrete, block work, timestone or masonrywith a minimal thickness as mentioned (115 mm);
- the surfaces of the material on which FP 402 Fireseal Silicone or FP 404 Fire Retardant PU (Gun)Foam is applied are thoroughly cleaned and treated with Primer and moistened 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 required depth of FP 402 Fireseal Silicone depends on the width of the linear joint seal. The minimum depth of FP 402 Fireseal Silicone in relation to the width of the linear joint seal is shown in Graph 2 below. The required depth of the sealant may also be increased with respect to the Graph (the lines are the minimum and recommended seal depth). When applicable, the rest of the slot shall be fully filled with FP 404 Fire Retardant PU (Gun)Foam;
- the allowed movement capability in practice is maximized to 7.5 %;
- when FP 402 Fireseal Silicone is applied at one face, the classifications are valid with FP 402 Fireseal Silicone at the unexposed face.

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



Fire resistance classification (linear Joint seals In a stone wall)	
Bostik FP 402 at exposed face, Bostik FP 404 unexposed face	
wall thickness ≥ 150 mm	**wall thickness ≥ 200 mm**
EI 60 - V - X - F - W 8 to 50	EI 45 - V - X - F - W 8 to 50

E = C11tetlon ntegr ty, I; C1 e1 on nrn at on, V= Verllca applicat on lna ve,llca wall, X= No movement applied, F = Splice applied In the fie d, IV= Permined wldth range In mllllme1res (depth.,,. condllions)

The foliowing conditions apply:

- the classifications are valid fora vertical orientation in a vertical wall;
- the linear joint seals may be applied to any type of wall of aerated concrete (class G4/600 or heavier), concrete, block work, limestone or masonry with a minimal thickness of 1SO mm or 200 mm;
- the surfaces of the material on which the sealant is applied are thoroughly cleaned and treated with Primer when needed. The the surfaces of the material on which the FP 404 Fire Retardant PU (Gun)Foam is applied are thoroughly cleaned and moistened with water when needed;
- the required depth of the FP 402 Fireseal Silicone is minimal 3 mm. The rest of the slot is fully filled with FP 404 Fire Retardant PU (Gun)Foam;
- the linear joint seals are tested without mechanically induced movement, therefore the allowed movement capability in practice is maximized to 7.5 %;
- the classifications are valid for FP 402 Fireseal Silicone applied at the exposed face.

Fire resistance classification (linear joint seals in a floor, applied at exposed side)		
≥ 100 mm **(depth see Graph 3)**	**≥ 150 mm** **(depth see Graph 3)**	**≥ 150mm** **(fixed depth 19 mm)**
EI90-H-X-F-W10 EI 30 - H - X - F - W 10 to 25	EI 90 - H - X - F - W 10	
EI 20 - H - X - F - W 25 to 40 E 120 - H - X - F - W 10 E 60 - H - X - F - W 10 to 25	EI 45 - H - X - F - W 10 to 40 EI 60 - H - X - F - W 40 E 120 - H - X - F - W 10 to 40	EI 60 - H - X - F - W 10 to 40 E 120 - H - X - F - W 10 to 40

E = C,lterlon Inre-grlty, I:::;Crlte,lon Il'I \Ulc1tlon, H;; Ho,lzontal 1uppottlng con.strucHon {Ooor). X;;.No mavement appUed
f = Spike applied In the field, W = Pe1ml11ed wldth range In mllhmeire<(seoGraph 1fo, seal deplh or fi.ed seal deplh ol 19 mm)

Fire resistance classification (linear joint seals in a with food thickness ≥ 100 mm, applied at unexposed side)
EI 120 - H - X - F - W 10
EI 90 - H - X - F - W 10 to 25
EI 45 - H - X - F - W 25 to 40
E 120 - H - X - F - W 10 to 40

E = Criterion Integrity, I= Criterion Insulation. H = Horizontal supporting consttuction (floor), *X*= No movement applied
F = Splice applied In the field, W = Permitted width range In millimetres (see Graph I for seal depth)

The following conditions apply:

- the linear joint seals may be applied at any type of tloor of aerated concrete (class G4/600 or heavier), concrete, block work, limestone or masonry with a minimal thickness as mentioned above;
- the surfaces of the material on which the FP 402 Fireseal Silicone is applied are thoroughly cleaned and treated with Primer when needed;
  the use of suitable PE / PU backing material is mandatory;
- the required depth of the FP 402 Fireseal Silicone 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 3 below. The required depth of the sealant may also be increased with respect to the Graph (the black line is the minimum and recommended seal depth);
- the allowed mavement capability in practice is maximized to 7.5 %;
- the fire resistance classification is valid from below.

Fire resistance classification (linear joint seals in a wall abutting a floor applied at exposed side)		
Thickness wall and floor both ≥ 100 mm (depth see Graph 3)	**Thickness wall and floor both ≥ 150 mm (depth see Graph 3)**	**Thickness wall and floor both ≥ 150 mm (fixed depth 19 mm)**
EI 30 - T - X - F - W 10 to 25 EI 20 - T - X - F - W 25 to 40 E 120- T- X- F- W 10 E 60 - T - X - F - W 10 to 25	EI 90 - T - X - F - W 10, EI 45 - T - X - F - W 10 to 40 EI 60 - T - X - F - W 40 E 120 - T - X - F - W 10 to 40	EI 60 - T - X - F - W 10 to 40 E 120 - T - X - F - W 10 to 40

E = Criterion Integrity, I= Criterion Imulation, T = Horizontal application In,a,enical wall abut1in9 a floor, *X*= No movement applied,
F = Splice applied In the field, W = Permitted width range In millimetres (see Graph 3 **for** seal depth or fixed seal depth ***of*** 19 mm)

Fire resistance classification (linear joint seals In a wall abutting a floor wlth thickness both ≥ 100 mm, applied at unexposed side)
EI 120 - T - X - F - W 10 EI 90 - T - X - F - W 10 to 25 EI 45 - T - X - F - W 25 to 40 E 120 - T - X - F - W 10 to 40

E. -(nt Ion lnlogrity, t- Crn Ion lmul.1llon, I - Horizont,11"pplle.1t.10n In ,ı vertlc.11wl .1bu11ln9 .a tloor,

• No mo\t'mc-nt .1ppl1cd. F • Spllce ,1p 1rd in the field, W • P«m1tte-d wKtt range In ""llunC"tu:-i hC!-C Gr.1ph 1 f°' u, dapth)

The following condftions apply:

- the cla.ssifications are valid fora horizontal orientated Joint in between a wall and abutting a floor. The classifications arc a.a.r. valid for horizontally orientated *joint* in a wall;
- the linear Joint seals may be applied at any type of floor of aeratcd concretc (class G4/600 or heavier), concretc, block work, limestonc or masonry with a minimal thickness as mentioned above. The thickness applies for the wall and the floor as mentioned in the tables abovc;
- the surfaces of thc matcrial on which the FP 402 Fireseal Silicone is applied are thoroughly cleaned and treated with Primer when needed;
- the use of suitable PE / PU backing matcrial is mandatory;
- the required depth of the FP 402 Flreseal Silicone 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 3.The required depth of the sealant may also be increased with respect to the Graph (the black line is the minimum and recommcndcd scal dcpth);
- the allowcd mavement capability in practice is maxlmizcd to 7.5%;
- the fire resistance in a wall abutting a floor is valid from one side, when applied at onc side or is valid from both sides, when appficd at both sides.

Fire resistance classification (linear joint seals In a wall, thickness ≥ 100 mm abutting a floor with thickness ≥ 150 mm, applied at both sides)
EI 240 - T - X - F - W 5 to 50

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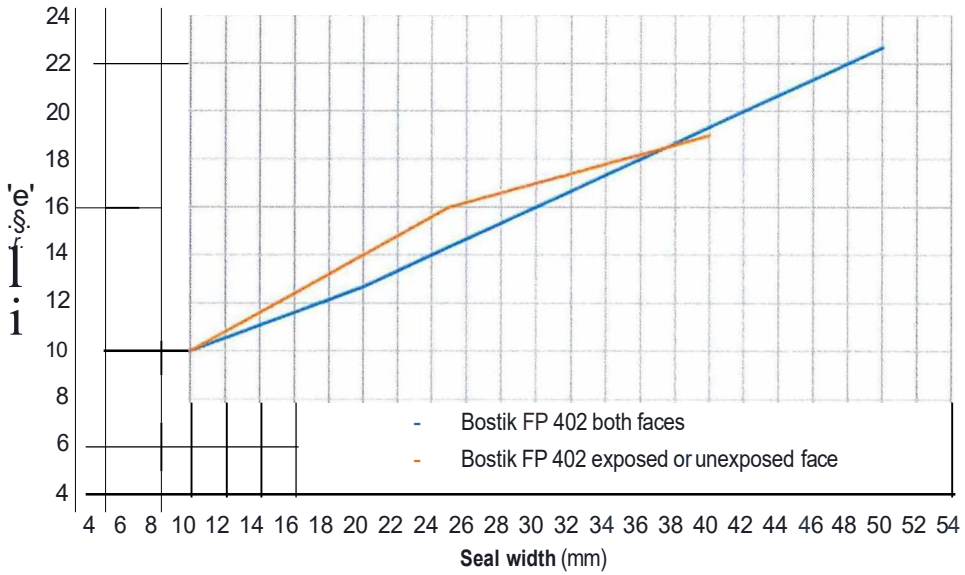
X - No mo,.,mcm1 oppllcd. - Spllco >pplicd In thc hold, W - P 1mllted.,...-;dth *1>r/>;ic* In nlllmotxcs(scc Grnph Jfonc.id,p1h)

The foliowing conditions apply:

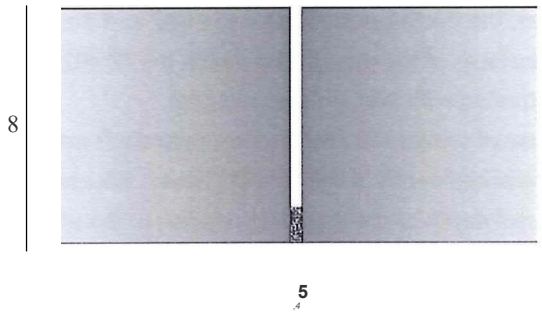
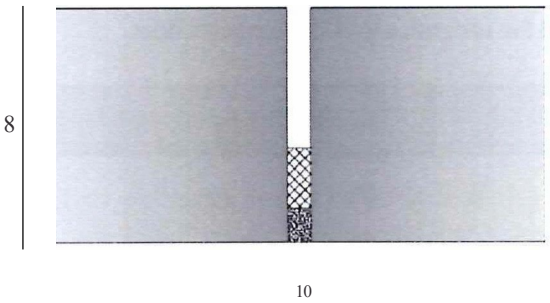
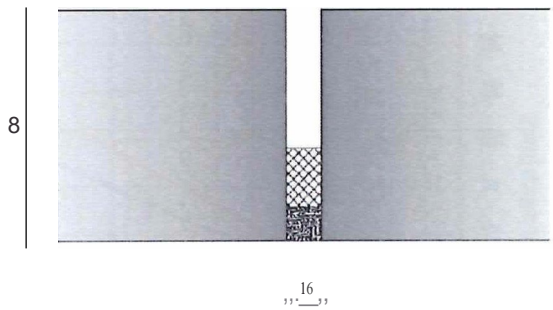
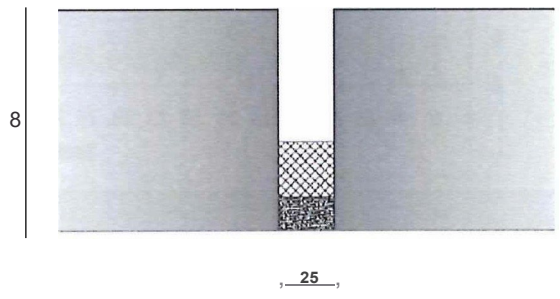
- the classifications are valid fora horizontal orientatcd joint in betwcen a wall and abutting a floor. The classifications are a/so valid for horizontally orientated joint in a wall;

- the linear joint seals may be applied at any type of floor of aerated concrete (class G4/600 or heavier), concrete, block work, limestone or masonry with a minimal thickness as mentioned above.The thickness applies for the wall and the floor as mentioned in the tables above;
- the surfaces of the material on which the FP 402 Fireseal Silicone is applied are thoroughly cleaned and treated with Primer when needed;
- the use of suitable PE / PU backing material is mandatory;
- the required depth of the FP 402 Fireseal Silicone depends on the width of the linear joint seal. The minimal depth ofthe sealant in relation to the width of the linear joint seal is shown in Graph 3. The required depth of the sealant may also be increased with respect to the Graph (the black line is the minimum and recommended seal depth);
- the allowed movement capability in practice is maximized to 7.5 %;
- the fire resistance is valid from both sides.

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



Annex B - Airborne sound insulation

Joint Width = 5 mm	
Joint Width = 1O mm	
Joint Width = 15 mm	
Joint Width = 25 mm	

The Bostik FP 402 Fireseal Silicone sealant, 10 mm depth is backed with PU / PE backer rod.

	Joint width			
	5mm	10mm	15 mm	25mm
Rs,w(C;C1,)	46(-1;-2) dB	46(-2;-4) dB	48(-2;-3) dB	48(-1;-3) dB
C 1oo-5000;C tr.1oo-5000	(0;-2) dB	(-1;-4) dB	(-1;-3) dB	(0;-3) dB
C50-315o;Ctr;50-3150	(-1;-4) dB	(-2;-5) dB	(-2;-5) dB	(-1;-5) dB
C5o-5ooo;Ct,;50-5ooo	(0;-4) dB	(-1;-5) dB	(-1;-5) dB	(0;-5) dB
Dn,e,w	53 dB	53 dB	55 dB	55 dB
Rw	23 dB	26 dB	30 dB	32dB