DECLARATION OF PERFORMANCE
Prestandadeklaration

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

Produktnamn:

BOSTIK FP 401 Fireseal Acrylic

DoP- No. 612846-20-01-1

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1. Produktens unika identifikationskod:

   BOSTIK FP 401 Fireseal Acrylic

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, September 2017

   Europeisk teknisk bedömning:

   ETA-20/1250, 07/06/2022

6. Teknisk bedömningsorgan:

   SKG-IKOB Certificatie BV

   Anmält testorgan:

   NB 0960 (SKG-IKOB Certificatie BV)

Bostik B.V.
Denariusstraat 11, NL-4903 RC Oosterhout, The Netherlands
Phone: +31(0)162491 000
www.bostik.com

7. Angiven prestanda

Bostik FP 401 Fireseal Acrylic		
	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	NDP
8	Vidhäftning	Godkänd
9	Hållbarhet	Z2
10	Rörelseupptagningsförmåga	Se annex A
BWR 5 Bullerskydd		
11	Luftljudsisolering	Se annex B
BWR 6 Energihushållning och värmeisolering		
12	Termiska egenskaper	NPD
13	Vattenpermeabilitiet	NPD

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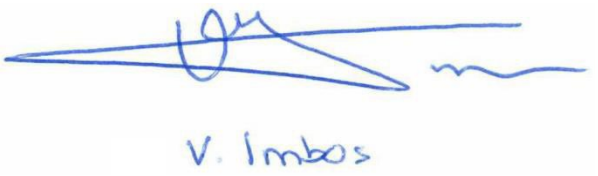
8. Prestandan för ovanstående produkt överensstämmer med den angivna prestandan. Denna prestandadeklaration har utfärdats i enlighet med förordning (EU) nr 305/2011 på eget ansvar av den tillverkare som anges ovan.

Undertecknat för tillverkaren av :



Vincent Imbos
Managing Director
Oosterhout, 19-09-2023

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Annex A - Resistance to fire

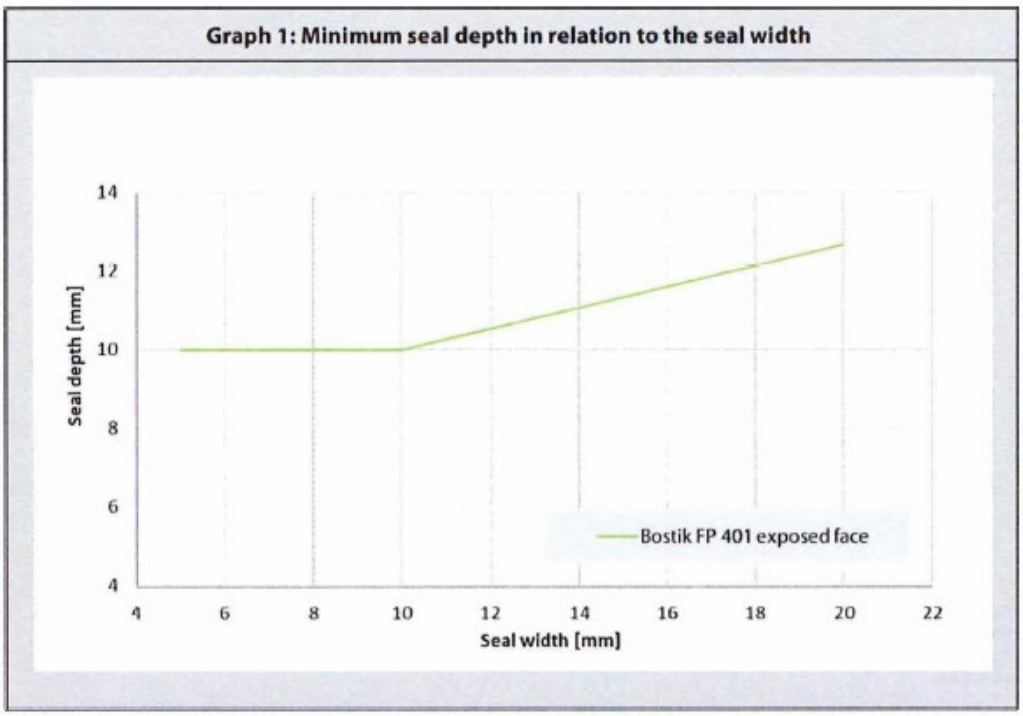
Fire resistance classification (vertical linear joint seals In a stone wall)	
Stone to stone wall thickness ≥ 70 mm	
Bostik FP 401 exposed face **Bostik FP 404 unexposed face**	**Bostik FP 401** **applied at unexposed face**
EI 45 - V - X - F - W 8 to 20 E 240 - V - X - F - W 8 to 20	EI 45 - V - X - F - W 5 to 10 EI 30 - V - X - F - W 10 to 20 E 240 - V - X - F - W 5 to 20

E = C11terion integrlty, I= Critcrion Insul,Hion, V= Vcrtical applicatlon Ina verttc,11wall, X= No mavement appl1ed, F = Spt,ce applicd in thc field, W = Permitted widlh range in millimctres (scc Graph I for scal dcpth)

The foliowing conditions apply:

- the classifications are valid for linear joint seals in a wall with an orientation as mentioned (vertical);
- the linear joint seals may be applied in any type of wall of aerated concrete (class G4/600 or heavier), concrete, limestone or masonry with a minimal thickness as mentioned (70 mm);
- the surfaces of the material on which FP 401 Fireseal Acrylic and 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 fully filled linear joint seals, the use of suitable PE / PU backing material is mandatory;
- the depth of FP 401 Fireseal Acrylic depends on the width of the linear joint seal. The minimum depth of FP 401 Fireseal Acrylic in relation to the width of the linear joint seal is shown in Graph 1 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 of the FP 401 Fireseal Acrylic Is minimal 3 mm;
- the allowed mavement capability in practice is maximized to 7.5 %;
- when FP'401 Fireseal Acrylic is applied at one face, the classifications are valid for FP 401 Fireseal Acrylic at the unexposed face or at the exposed face when in combination with FP 404 Fire Retardant PU (Gun)Foam.

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



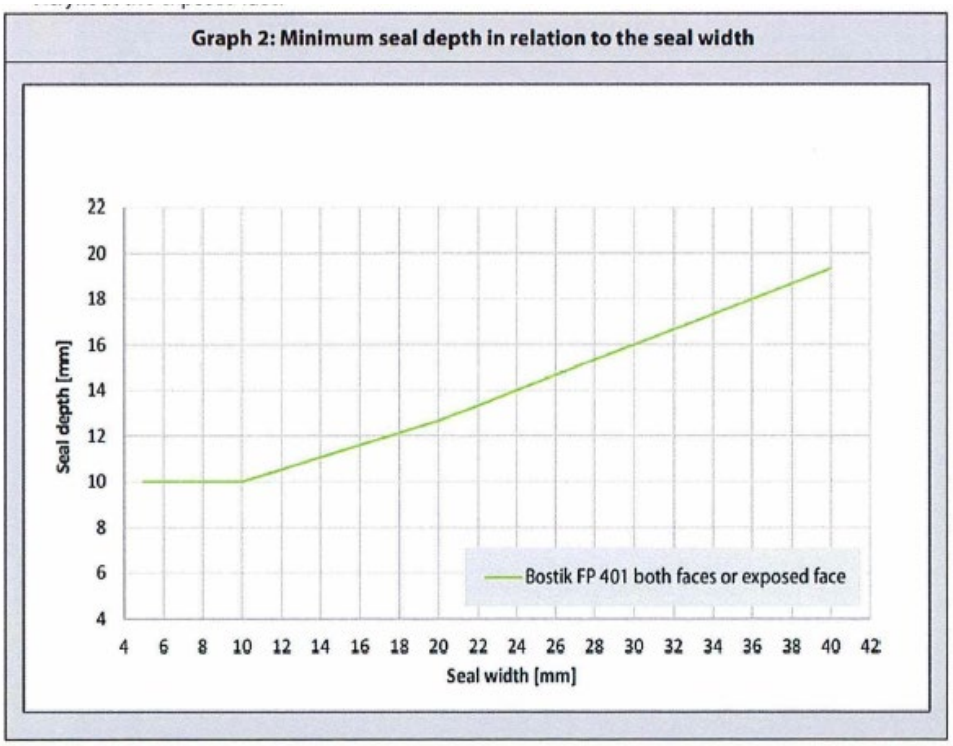
Fire resistance classification (vertical linear joint seals in a stone wall)		
Stone to stone Wall thickness≥ 100 mm		
Bostik FP 401 applied at both faces EI 180 - V - X - F - W 5 to 10 EI 240 - V - X - F - W 10 to 40 E 240 - V - X - F - W 5 to 40	**Bostik FP 401 applied at exposed face** EI 180 - V - X - F - W 5 to 40	**Bostik FP 401 exposed face** **Bostik FP 404 unexposed face** EI 90 - V - X - F - W 8 to 30 E 120 - V - X - F - W 8 to 30 EI 30 - V - X - F - W 30 to 40

E = Criterion Intcgrity, I= Criterion Insulation, V= Vertical apphcation Ina vertlcal wall, X= No mavement applicd, F = Sphcc apphed In the ficld, W = Pcrmittcd width range in mllimctres (see Graph 1 for seal depth)

The following conditions apply:

- the classifications are valid for linear joint seals in a wall with an orientation as mentioned (vertical);
- the linear joint seals may be applied in any type of wall of aerated concrete (class G4/600 or heavier), concrete, limestone or masonry with a minimal thickness as mentioned (100 mm);
- the surfaces of the material on which FP 401 Fireseal Acrylic and 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 fully filled linear joint seals, the use of suitable PE / PU backing material is mandatory;
- the depth of FP 401 Fireseal Acrylic depends on the width of the linear joint seal. The minimum depth of FP 401 Fireseal Acrylic in relation to the width 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 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 of the FP 401 Fireseal Acrylic is minimal 3 mm;
- the allowed movement capability in practice is maximized to 7.5 %;
- when FP 401 Fireseal Acrylic is applied at both faces, the classilications are valid for both directions. When FP 401 Fireseal Acrylic is applied at one face, the classifications are valid for FP 401 Fireseal Acrylic at the exposed face.

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



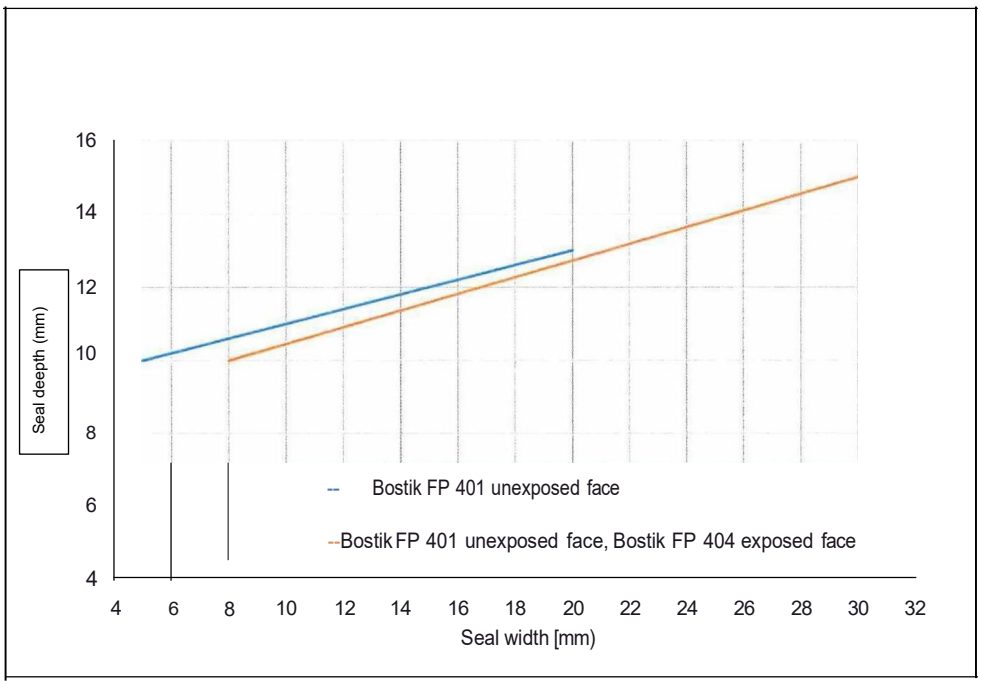
Fire resistance classification (vertical linear joint seals in a stone wall)	
Stone to stone wall thickness ≥ 115 mm	
Bostik FP 401 unexposed face **Bostik FP 404 exposed face**	**Bostik FP 401** **applied at unexposed face**
EI 180 - V - X - F - W 8 to 30	EI 45 - V - X - F - W 5 to 20
EI 240 - V - X - F - W 8	EI 240 - V - X - F - W 5
E 240 - V - X - F - W 8 to 30	E 240 - V - X - F - W 5 to 20

E = Cutcrlon lntegnty, I= Cr1ter1on msulation, V - Vcrt1cal appltcauon m a vcrt1cal WJII, X ₀ No movemcnt appl1ed, F = Splicc Jpphcd in the ficld, W = Permitted wldth range In millimetres (see Graph I for seal depth)

The following conditions apply:

- the classifications are valid for linear joint seals in a wall with an orientation as mentioned (vertical);
- the linear joint seals may be applied in any type of wall of aerated concrete (class G4/600 or heavier), concrete, limestone or masonry with a minimal thickness as mentioned (115 mm);
- the surfaces of the material on which FP 401 Fireseal Acrylic and 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 fully filled linear joint seals, the use of suitable PE / PU backing material is mandatory;
- the depth of FP 401 Fireseal Acrylic depends on the width of the linear joint seal. The minimum depth of FP 401 Fireseal Acrylic 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 with respect to the Graph (the lines are the 111i11i111u111 dIILI lt!LUIIIIIIt!IILIt!LI edl Jeµlh). ,r dµµliLdUle, lhe ,e l ur lhe lul b rully filleJ wilh FP 404 Fire Retardant PU (Gun)Foam;
- the allowed movement capability in practice Is maximized to 7.5 %;
- when FP 401 Fireseal Acrylic is applied at both faces, the classifications are valid for both directions. When FP 401 Fireseal Acrylic is applied at one face, the classifications are valid for FP 401 Fireseal Acrylic at the unexposed face.

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



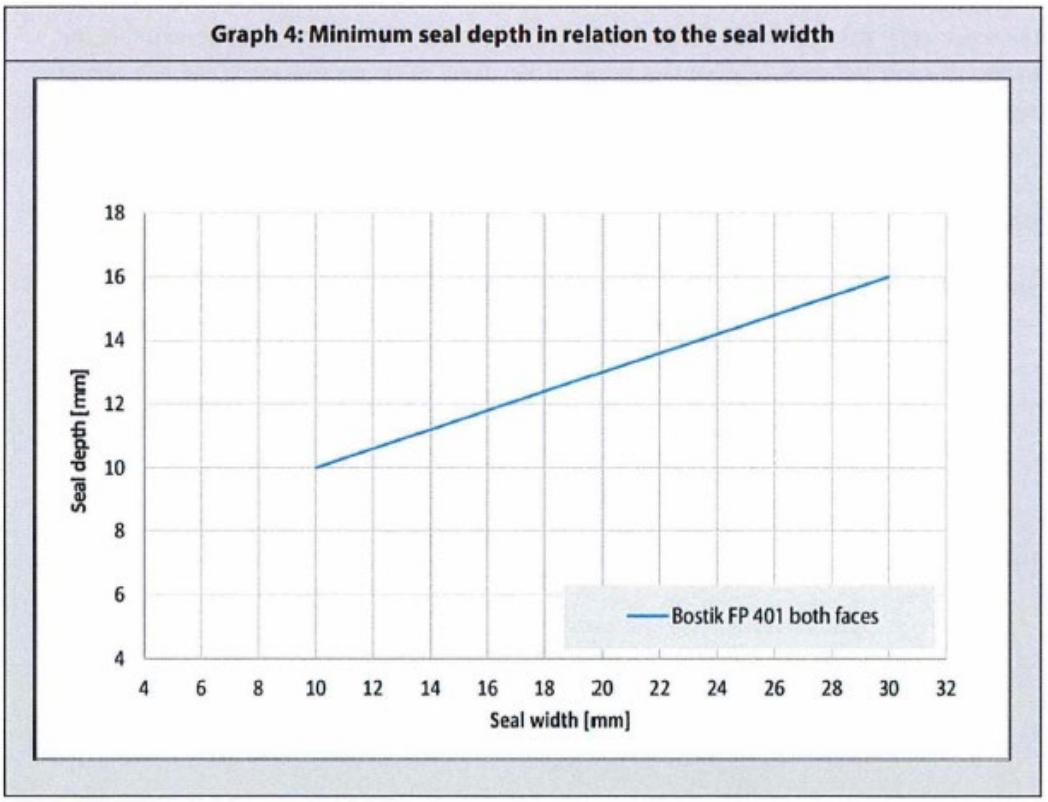
Fire resistance classification (horizontal linear joint seals In a stone wall and a wall abutting a floor, ceiling or roof)
Applied connecting stone to stone, thickness wall ≥ 100 mm
Bostik FP 401 applied at both faces EI 180 - T - M 5 - F - W 10 to 30 E 240 - T - M 5 - F - W 10 to 30

E = Critcnon integnly, I:=Critcnon 1nsu at1on T = Honzontal apphcat1on in a vcrt1ca wall and a wall abutt1ng a floor M = Movement mduced In%,
F = Splicc applicd In thc field, **W** = Permlttcd wldth range In millimetrcs (sce Graph 2 for ,cal dcpth)

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 401 Fireseal Acrylic 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 FP 401 Fireseal Acrylic depends an the width of the linear joint seal. The minimum depth af FP 401 Fireseal Acrylic in relation to the width of the linear joint seal is shown in Graph 4 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);
- deformation of the linear joint seals in practice is maximized to 7.5 %;
- the classifications are valid for both directions.

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



Fire resistance classification (vertical linear joint seal Ina gypsum and/ or stone wall)		
Bostik FP 401 applied at both faces connecting gypsum to gypsum		**Bostik FP 401 applied at both faces connecting gypsum to stone**
Wall thickness ≥75 mm: (see Figure 1)	**Wall thickness ≥100 mm (see Figure 2)**	**Wall thickness ≥100 mm (see Figure 3)**
EI 60 - V - X - F - W 10	EI 120 - V - X - F - W 10 E 180 - V - X - F - W 10	EI 120 - V - X - F - W 10 E 180 - V - X - F - W 10

E ;:;; Crltt:rlon Integrity, *I*= Crltetlon Imulatlon, Y = Venlc.al applic;Hlon *In* a verucal wall. X= No moven1ent app11ed, f = Sphce applied lo the fleld, W = re,mlned wfdth ra,,ge In mllllmeues

The following conditions apply:

- the classifications are valid for linear joint seals in a wall with an orientation as mentioned (vertical);
- the linear joint seals in wall with a thickness 100 mm may connect on one side 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). In practice, the metal profiles of the gypsum wall are mechanically fixed at a distance every 300 mm or less. Mechanically fixation of the metal profiles is mandatory;
- the linear joint seals may connect on both sided to a gypsum wall with a minimum thickness as mentioned (75 or 100 mm). In practice, the metal profiles of the gypsum wall are mechanically fixed at a distance every 300 mm or less.Mechanically fixation of the metal profiles is mandatory;
- the classifications are only valid for constructions shown in Figures 1 to 3;
- the surfaces of the material on which the sealant is applied are thoroughly cleaned and treated with primer when needed;
- the depth of FP 40I Fireseal Acrylic in a wall of 75 mm is 12.5 mm at both faces, representing the full thickness of the gypsum panel, see Figure 1. The depth of FP 401 Fireseal Acrylic in a wall of 100 mm is lo mm at both faces. The rest of the cavity is filled up with suitable PE / PU backing material, see Figure 2 and 3;
- the allowed movement capability in practice is maximized to 7.5 %;
- the classifications are valid for both directions.

Figure 1: wall gypsum to gypsum thickness ≥ 75 mm

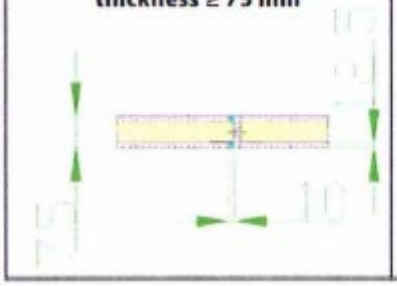


Figure 2: wall gypsum to gypsum thickness ≥ 100 mm

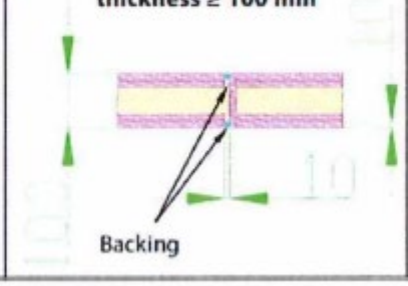
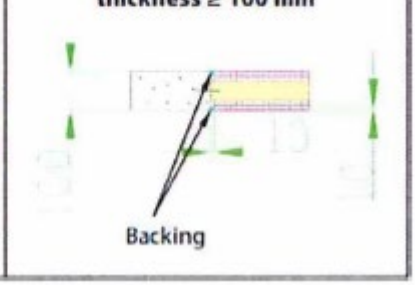


Figure 3: wall gypsum to stone thickness ≥ 100 mm



Fire resistance classification
(horizontal linear joint seals In a gypsum and stone wall)

Bostik FP 401 applied at both faces connecting gypsum to stone

Thickness wall ≥ 100 mm (see FIgure 4)

EI 120 - T - X - F - W 10

E180-T-X-F-W10

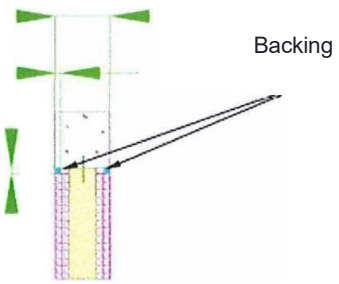
E = CrIterIon Integrity,I= CrIterIon In,ulatIon, r = Hottzontal applIcatton In• vertIcal wall, **X** = No movement applied, F = SpIIce applied In the field, W = PermIned wIdth range In mIIIImettes

The foliowing conditions apply:

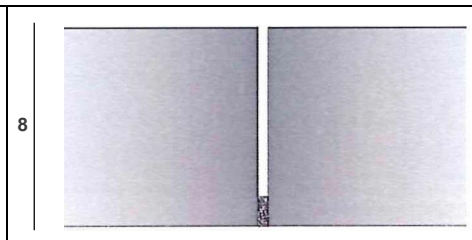
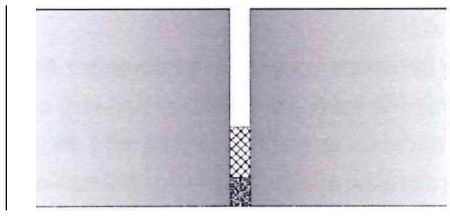
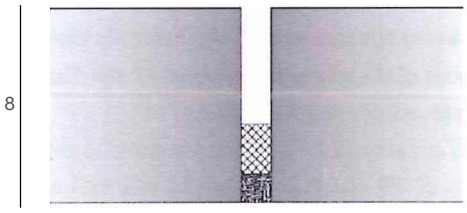
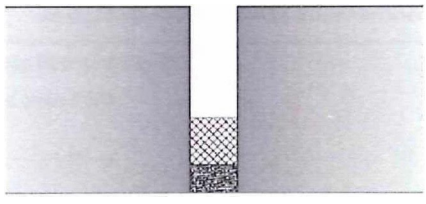
- the classifications are valid for linear joint seals in a wall with an orientation as mentioned (horizontal);
- the linear joint seals in wall with a thickness 2!: 100 mm may connect on one side to any type of wall of aerated concrete (class G4/600 or heavier), concrete, block work, limestone or masonry with a minimal thickness as mentioned (100 mm). In practice, the metal profiles of the gypsum wall are mechanically fixedata distance every 300 mm or less. Mechanically fixation of the metal profiles is mandatory;
- the linear joint seals may connect on the other side to a gypsum wall with a minimum thickness as mentioned (100 mm). In practice, the metal profiles of the gypsum wall are mechanically fixed at a distance every 300 mm or less. Mechanically fixation of the metal profiles is mandatory;
- the surfaces of the material on which FP 401 Fireseal Acrylic is applied are thoroughly cleaned and treated with Primer when needed;
- the use of suitable PE / PU backing material is mandatory;
- the depth of FP 401 Fireseal Acrylic in a wall of 100 mm is 10 mm at both faces. The rest of the cavity is filled up with suitable PE / PU backing material, see Figure 4;
- deformation of the linear joint seals in practice is maximized to 7.5 %;
- the classifications are valid for both directions.

Figure 4: 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 401 Fireseal Acrylic sealant, 10 mm depth is backed with PU / PE backer rod.

	Jointwidth			
	5mm	10 mm	15mm	25mm
Rs.w(C;C1,l	52(-1;-3}dB	53(-1;-4} dB	53(-1;-3} dB	49(-2;-4} dB
C100-sooo;Ctr;100.sooo	/0;-3) dB	/0;-4) dB	(0;-3) dB	/-1;-4) dB
Cs0-31so;C1r,SO-l 1so	(-1;-7} dB	(-1;-7) dB	(-1;-7) dB	(-2;-7} dB
Cs0-sooo:C1r;SO-SOOO	(0;-7} dB	(0;-7} dB	(-1;-5} dB	(-1;-7} dB
Dn,e,w	59dB	60 dB	60 dB	56 dB
Rw	29dB	33 dB	35 dB	33 dB