



DECLARATION OF PERFORMANCE PrestandadeklARATION

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

Produktnamn:

BOSTIK FP 403 Fireseal Hybrid

DoP- No. 612887-20-02-1

1. Produktens unika identifikationskod:

BOSTIK FP 403 Fireseal Hybrid

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 byggprodukts prestanda

System 1

5. Europeiskt bedömningsdokument

EAD 350141-00-1106, edition September 2017

Europeisk teknisk bedömning:

ETA-20/1119 of 15/06/2022

6. Tekniskt bedömningsorgan:

SKG-IKOB Certificatie BV

Anmält testorgan:

NB 0960 (SKG-IKOB Certificatie BV)

Bostik 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.

1.

Bostik FP 403 Fireseal Hybrid		
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	Se annex B
BWR 6 Energihushållning och värmeisolering		
15	Termiska egenskaper	NPD
16	Vattenpermeabilitet	NPD



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:



V. Imbos

Vincent Imbos
Managing Director
Oosterhout, 19-06-2023



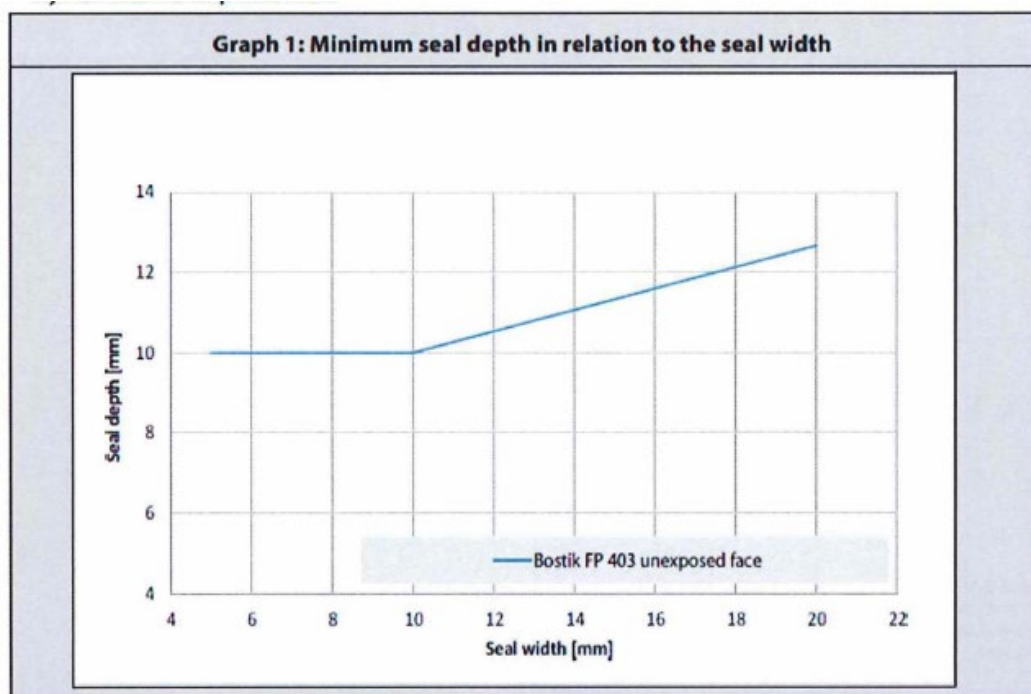
Annex A- Resistance to fire

Fire resistance classification (vertical linear joint seals in a stone wall)
Connecting stone to stone wall $\geq 70\text{mm}$ Bostik FP 403 unexposed face EI 60- V - X- F -W S to 10 EI 45 - V - X - F - W 10 to 20 E 240 - V - X - F - W 5 to 20

E = Criterion Integrity, I = Criterion Insulation, V = Vertical application in a vertical wall. X = No movement applied, F = Splice applied in the field, W = Permitted width range in millimetres (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 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 70 mm;
- the surfaces of the material on which FP 403 Fireseal Hybrid 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 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 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);
- the allowed movement capability in practice is maximized to 7.5 %;
- when FP 403 Fireseal Hybrid is applied at one face, the classifications are valid with FP 403 Fireseal Hybrid at the unexposed face.





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Fire resistance classification (vertical linear joint seals in a stone wall)

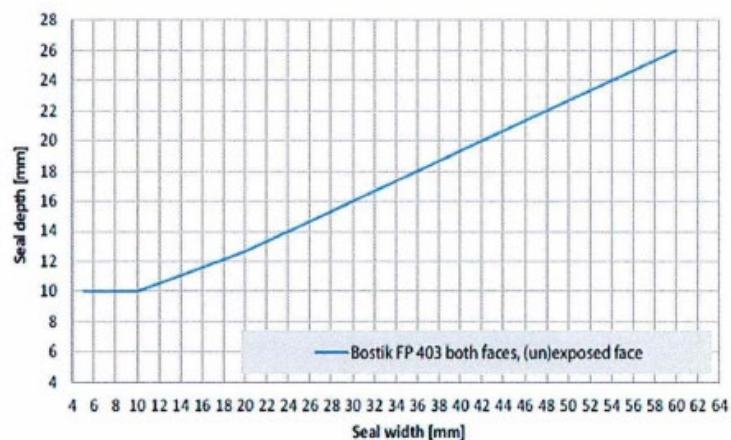
Connecting stone to stone Wall $\geq 100\text{mm}$			
Bostik FP 403 applied to exposed face, Bostik FP 404 unexposed face	Bostik FP 403 applied to exposed face	Bostik FP 403 applied to unexposed face	Bostik FP 403 applied to both faces
EI 4S-V-X-F-W 810 40	EI 60-V-X-F-W S 10 40	EI 60-V-X-F-W S 10 40	EI 240-V-X-F-W S 10 SO
E 120-V-X-F-W 810 40	E 120-V-X-F-W S 10 40	E 240-V-X-F-W S 10 40	EI 180-V-X-F-W S 10 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-W S to SO	E 240-T-X-F-W S 10 SO	

E=Criterion Integrity, I=Criterion Insulation, V=Vertical application in vertical wall, T=Horizontal application in horizontal wall, X=No movement applied, F=Spike applied in the field, W=Profiled width range in mm, S=Graph 2, SO=Seal depth

The following 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 100 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 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 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 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 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 at the exposed face.

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





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Fire resistance classification (vertical linear joint seals in a stone wall)

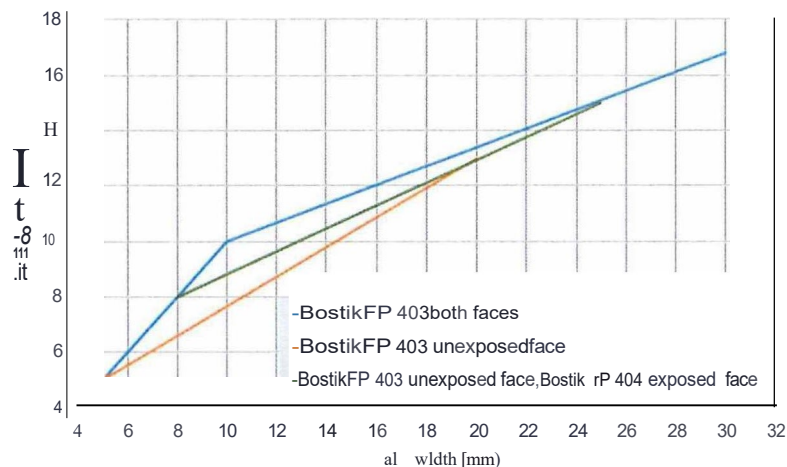
Connecting stone to stone wall ≥ 115 mm		
Bostik FP 403 unexposed face, Bostik FP 404 exposed face	Bostik FP 403 applied at unexposed face	Bostik FP 403 applied at both faces
EI 180 - V - X - F - W 8 to 25	EI 60 - V - X - F - W 5 to 20	EI 240 - V - X - F - W 5 to 30
EI 240 - V - X - F - W 8	EI 180 - 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 1n1eg1ty, I = c, ue, 1on 1n. ula 11on, V = Veni cal appllullon lna Wlrl cal wall, X = No movtm clnl applled, F = Spllce applld lnl the rld, W = l'etmllttd wld ch range lnl mlllme 11es (see Graph 3 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 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 115 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 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 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 3 below. The 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 is fully filled with FP 404 Fire Retardant PU (Gun) Foam;
- 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.

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



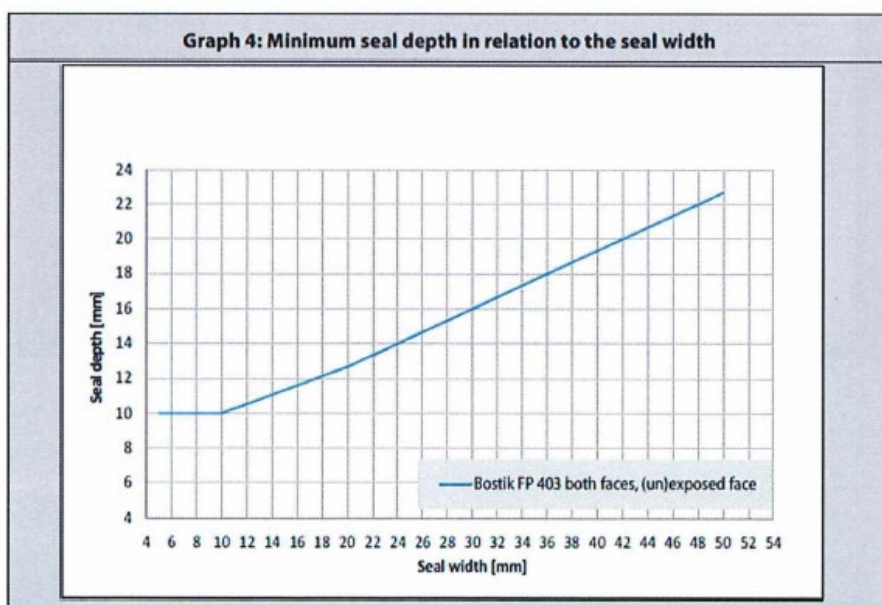


Fire resistance classification (vertical linear joint seals in stone wall)			
Connecting stone to stone wall ≥ 150 mm			Connecting stone to stone wall ≥ 200 mm
Bostik FP 403 upoHd face, Bostik FP 404 unexposed face	Bostik FP 403 applied at exposed face	Bostik FP 403 applied at unexposed face	Bostik FP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

E = Criterion Integrity, I = Criterion Insulation, V = Vertical application in a vertical wall, T = Horizontal application in a vertical wall, X = No movement applied, F = Splice applied in the field, W = Permitted width range in millimetres (see Graph 4 TO, seal depth)

The following 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 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 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 of the 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.



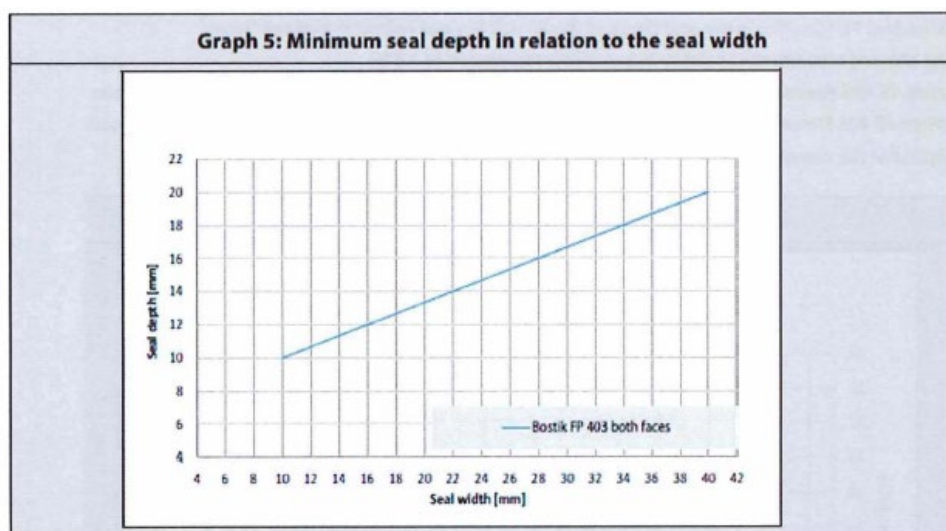


Fire resistance classification (Horizontal linear Joint seals In a stone wall and a wall abutting a floor)	
Bostik FP 403 connecting stone to stone, applied at both faces Wall/floor with thickness ≥ 100 mm	
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El 240 - T - M 25 - F - W 10 to 30	-----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

E = C1ite1on In1e911ly, l= CJl1e1on Imulallon, T = Ho,tionral applcallon Ina venic.il wall and• wall abullng a floor, M = Movement Induced In %>, f = Spllceappll Inlll<!neld, W= Peunlned wldth range 111 mllllme11es (see Graph Sfo, seal depth)

The following conditlons 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 material is mandatory;
- the required 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 wldth of the linear Joint seal is shown in Graph S below. The required depth of the sealant may also be Increased wldh respect to the Graph (the line gives the minimum and recommended seal depth);
- deformation of the linear Joint seals In practice Is rmaxlized to 25 %;
- the classifications are valid for both directions.





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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

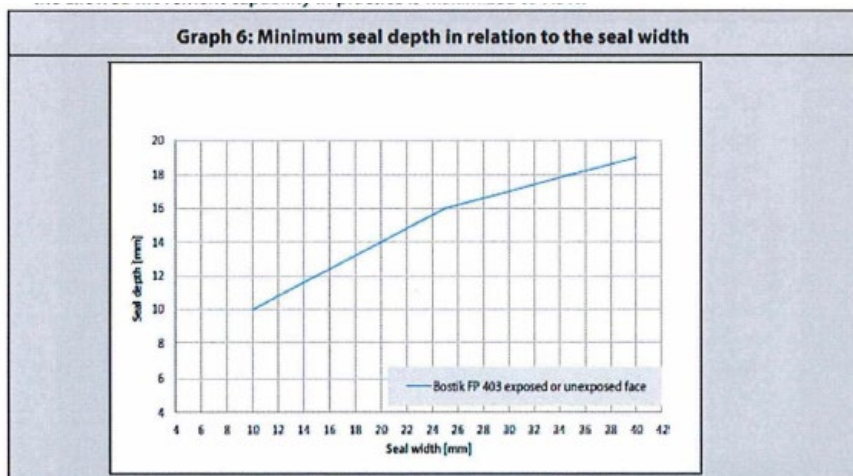
E = Criterion Integrity, I = Criterion Insulation, H = Horizontal supporting construction, X = No movement applied, F = Splice applied in the field, W = Permitted width range in millimetre, (see Graph 3 (a, standard depth))

Fire resistance classification (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 = Criterion Integrity, I = Criterion Insulation, T = Horizontal application in wall abutting floor, X = No movement applied, F = Splice applied in the field, W = Permitted width range in millimetre (see Graph 6 (a, standard depth))

The following conditions apply:

- 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, limestone or masonry with a minimal thickness as mentioned above. In a floor application, the fire resistance applies from below. The fire resistance in a wall abutting a floor application is valid from one side;
- the classifications are valid for horizontally orientated joints in a 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 suitable PE / PU backing material is mandatory;
- 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 capability in practice is maximized to 7.5%.



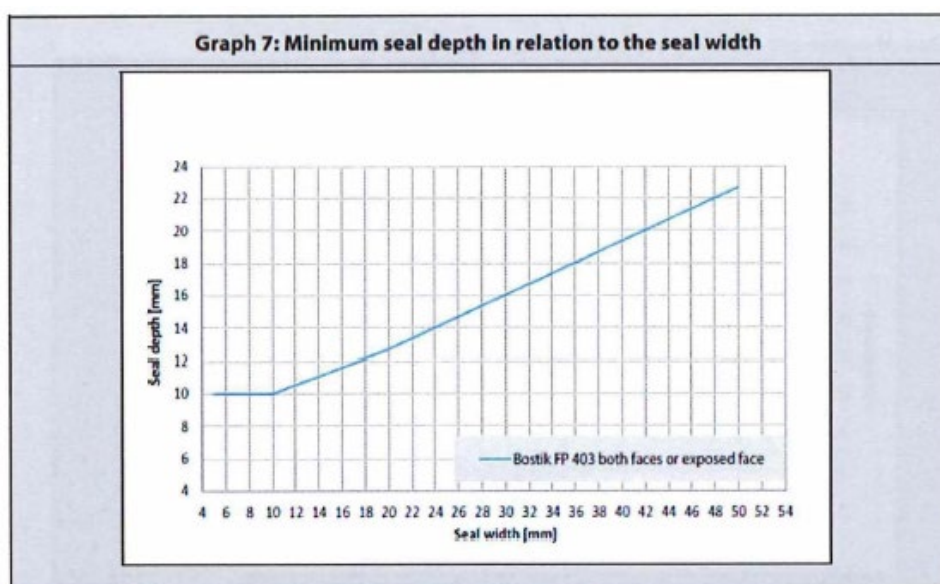


Fire resistance classification	
Applied at both faces	
Wall abutting a floor	
Wall thickness ≥ 100 mm / Floor thickness ≥ 150 mm	
EI 240 - T - X - F - W 5 to 50	
Applied at exposed face	
Wall abutting a floor	
Wall thickness ≥ 100 mm / Floor thickness ≥ 150 mm	
EI 30 - T - X - F - W 5 to 50	
E 180 -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

E = Critical Integrity, I = Critical Insulation, T = Horizontal application in a vertical wall (abutting a floor),
X = No movement applied, F = Splice applied in the field, W = Permitted width range in millimetre (depth see condition)

The following conditions apply:

- the classifications are valid for a horizontal orientation in a vertical wall or for a horizontal orientation in a vertical wall abutting a horizontal 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 with a minimal thickness of 100 mm for the wall and a minimal thickness of 150 mm for the floor;
- the surfaces of the material on which the sealant 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 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 7. 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 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 the tested directions.





Fire resistance classification (vertical linear Joint seals In a stone wall)		
Bostik FP 403 applied at both faces, connecting stone to wood Wall thickness ≥ 100 mm EI 120 - V - X - F - W 5 to 20 E 120 -V - X - F - W 5 to 20	Bostik FP 403 applied at both faces, connecting stone to steel	
	Wall thickness ≥ 100 mm EI 30 - V - X - F - W 5 to 20 EI 45 - V - X - F - W 20 E 120 - V - X - F - W 5 to 20	Wall thickness ≥ 150 mm EI 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 Wall thickness ≥ 100 mm EI 120 - T - X - F - W 5 to 20 E 120 - T - X - F - W 5 to 20 E 240 - T - X - F - W 20	Bostik FP 403 applied at both faces, connecting stone to steel	
	Wall thickness ≥ 100 mm EI 45 - T - X - F - W 5 to 20 EI 60 - T - X - F - W 20 E 120 - T - X - F - W 5 to 20	Wall thickness ≥ 150 mm EI 90 - T - X - F - W 5 to 20 EI 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 <u>-orientated, connecting stone to steel -</u> Wall thickness ≥ 100 mm EI 45 - V - X - F - W 20 E 120 - V - X - F - W 20	Fully filled with Bostik FP 403 , horizontally <u>- orientated, connection stone to steel</u> Wall thickness ≥ 100 mm EI 90 - T - X - F - W 20 E 120 - T - X - F - W 20

E = Crétillon Interly, I = Cillerlon Inlulallon, V = Venical applicallon Ina vertical wall, T = Horizontal applicallon Ina vertical wall
 X = No movement applied, F = Spli-c applied In the field, W = Petmlned width range In mllllmetre! (iee Graph I for Ieal depth)

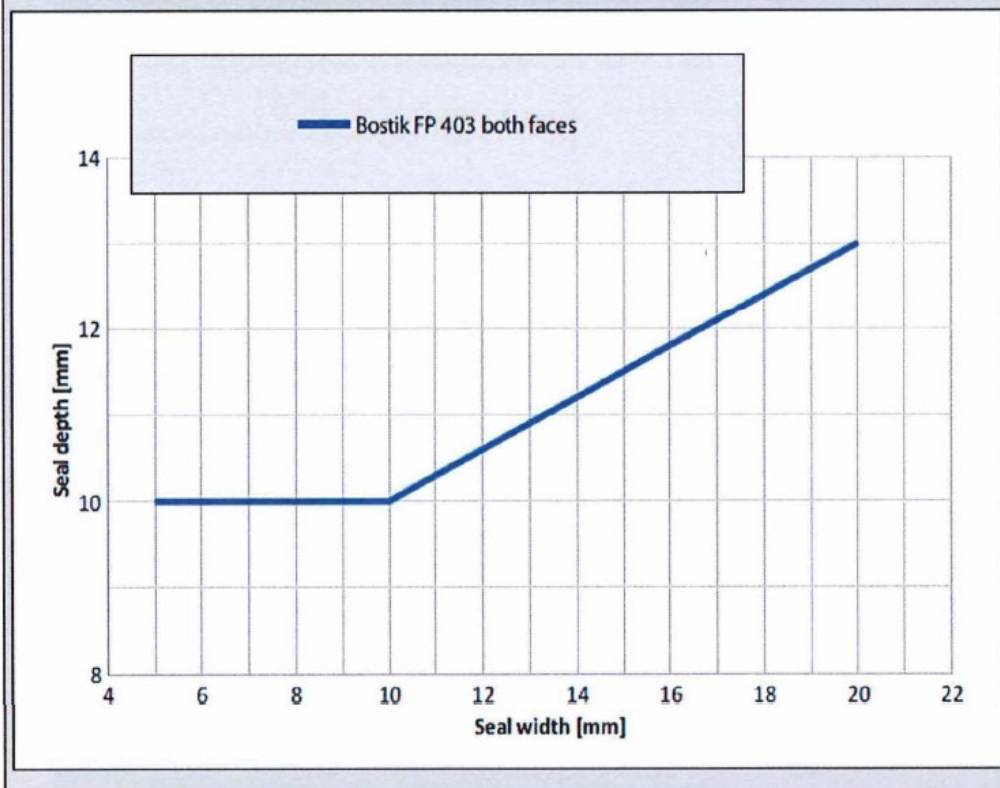
The following conditions apply:

- the classifications are valid for linear joint seals Ina wali wth an orientatlon as mentioned (vertical or horizontal);
- the linear joint seals may connect to any type of wali of aerated concrete (class G4/600 or heavier), 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 $500 \pm 50 \text{ kg/m}^3$ 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 wth a melting point above 1000°C and the steel construction Is placed over the fuli thickness of the wali or as mentioned;
- the surfaces of the material on which 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 suitable PE / PU backing material Is mandatory;
- except for the fully filled linear joint seals, the required 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 1. The required depth of the sealant may also be Increased with respect to the Graph (the line Is the minimum and recommended seal depth);
- the allowed movement capabllty In practice Is maximized to 7.5 %;
- the classifications are valid In both directions.



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





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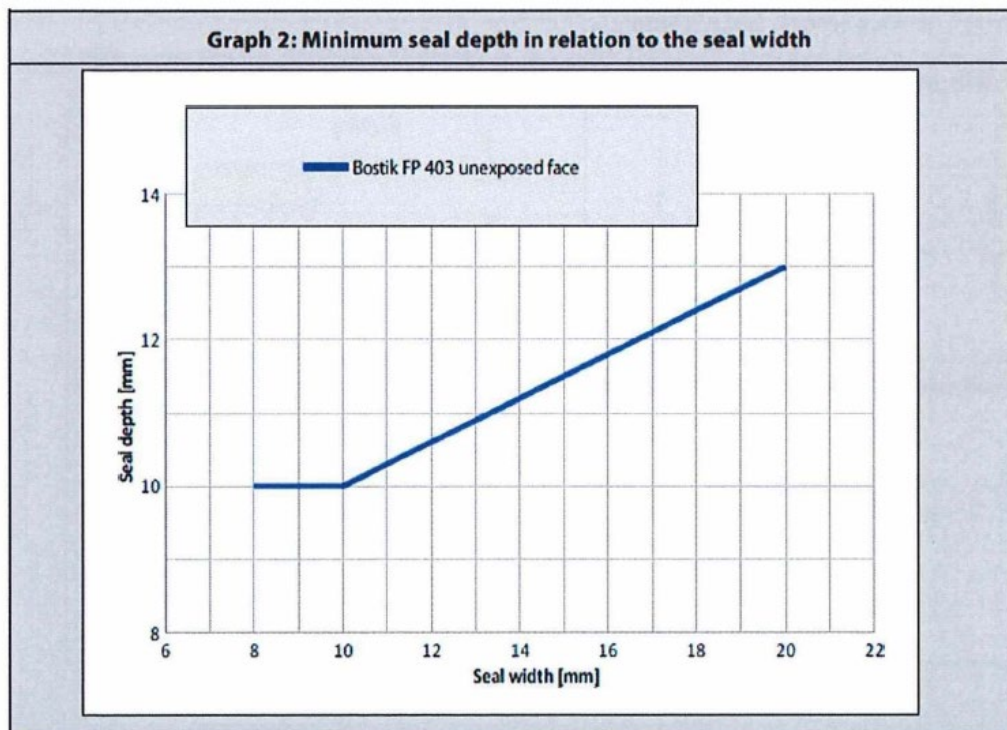
Classification of the fire resistance Bostik FP 403 In combination with Bostik FP 404 fPU foam

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, <u>vertically orientated connecting stone to wood</u> Wall thickness ≥ 100 mm EI 120 - V - X - F - W 8 to 20 E 120 - V - X - F - W 8 to 20	Bostik FP 403 applied at the unexposed face, Bostik FP 404 applied at the exposed face, horizontally <u>orientated connecting stone to wood</u> Wall thickness ≥ 100 mm EI 120 - T - X - F - W 8 to 20 E 120 - T - X - F - W 8 to 20

E = Criterion Integrity, I = Criterion Insulation, V = Vertical application in a vertical wall, T = Horizontal application in a vertical wall
X = No movement applied, F = Splice applied in the field, W = Permitted width range in millimetres (see Graph 2 for seal depth)

The following 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. At the other side, the linear Joint seals may connect to any type of wooden construction with a density of 500 ± 50 kg/m³ or more and the wooden construction is placed over the full thickness of the wall or at least 100 mm;
- the surfaces of the material on which FP 403 Fireseal Hybrid and Bostik FP 404 Fire Retardant PU (Gun)Foam is applied are thoroughly cleaned and treated with primer and moistened with water when needed;
- the required 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 2 below. The required depth of the sealant may also be increased with respect to the Graph (the line is the minimum and recommended seal depth). The rest of the slot is fully filled with Bostik FP 404 Fire Retardant PU (Gun)Foam;
- the allowed movement capability in practice is maximized to 7.5 %;
- the classifications are valid for FP 403 Fireseal Hybrid applied at the unexposed face.



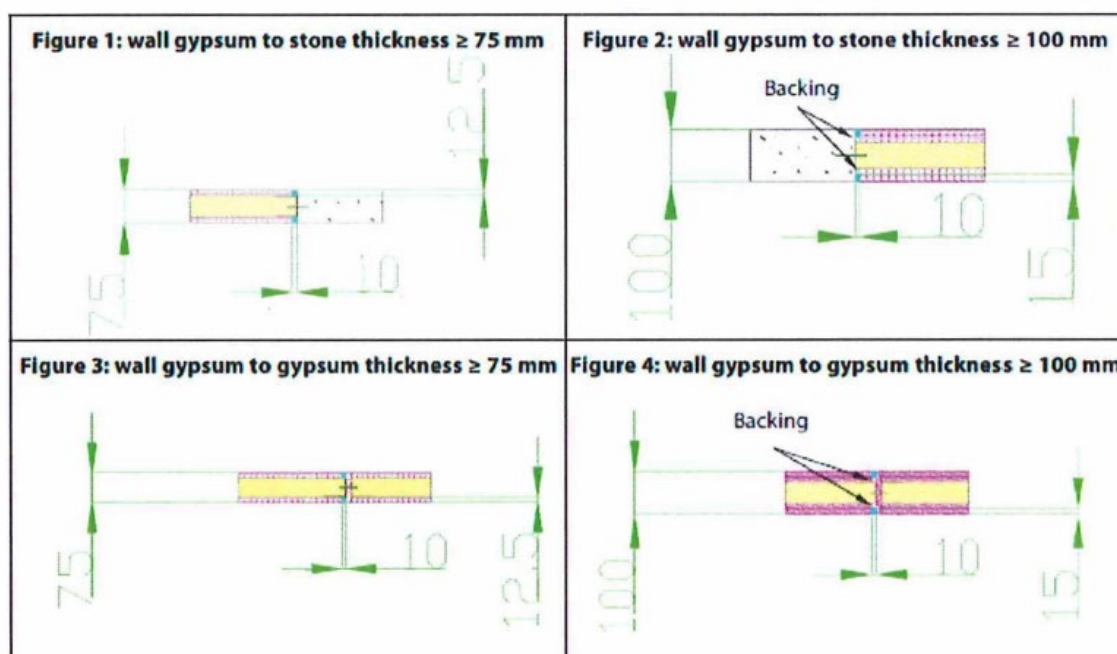


Fire resistance classification (vertical linear joint seals in a gypsum and/ or stone wall)			
Bostik FP 403 connecting gypsum to stone, applied at both faces		Bostik FP 403 connecting gypsum to gypsum, applied at both faces	
Wall thickness ≥ 75 mm	Wall thickness ≥ 100 mm	Wall thickness ≥ 75 mm	Wall 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 = Criterion Integrity, I = Criterion Insulation, V = Vertical application in a vertical wall, X = No movement applied, F = Splice applied in the field, W = Permitted width range in millimetres (depth see condilloruj)

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 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 (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 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 4;
- the surfaces of the material on which the sealant is applied are thoroughly cleaned and treated with 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 15 mm at both faces. The rest of the cavity behind the sealant is filled up with suitable PE / PU backing material, see figures 2 and 4;
- the allowed movement capability in practice is maximized to 7.5 %;
- the classifications are valid for both directions.





Fire resistance classification (Horizontal linear joint seals in a 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 ¹ - F-W 10	EI 60-T- M25 ¹ - F-W 10	EI 120-T- M 25 ¹ - F-W 10	10

E = Criterion Integrity, I = Criterion Insulation, T = Horizontal application in a vertical wall and wall abutting a floor, M 25 = Movement induced 25 %, F = Splice applied in the field, W = Permitted width change in millimetres (depth see conditions)

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 (75 or 100 mm);
- the linear joint seals may connect to a gypsum wall with a minimum thickness as mentioned. In practice, the metal profiles of the gypsum wall are mechanically fixed at a distance every 300 mm or less. Mechanical fixation of the metal profiles is mandatory;
- the classifications are only valid for constructions shown in figures 5 to 10;
- the surfaces of the material on which the sealant is applied are thoroughly cleaned and treated with primer when needed;
- the depth of FP 403 Fireseal Hybrid in a wall of 75 mm is 12.5 mm at both faces or at the unexposed face, representing the full thickness of the gypsum panel, see figures 5 and 6;
- the depth of FP 403 Fireseal Hybrid in a wall of 100 mm is 12.5 mm at both faces or at the unexposed face, representing the full thickness of the gypsum panel, see figures 9 and 10;
- the depth of FP 403 Fireseal Hybrid in a wall of 100 mm is 15 mm at both faces or at the unexposed face. The rest of the cavity behind the sealant is completely filled up with suitable PE / PU backing material, see figures 7 to 8;
- the allowed movement capability of the linear joint seals in practice is maximized to 25 %;
- 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.



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Figure 5: wall gypsum to stone thickness ≥ 75 mm

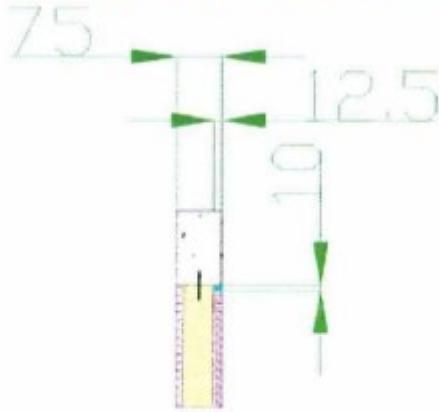


Figure 6: wall gypsum to stone thickness ≥ 75 mm

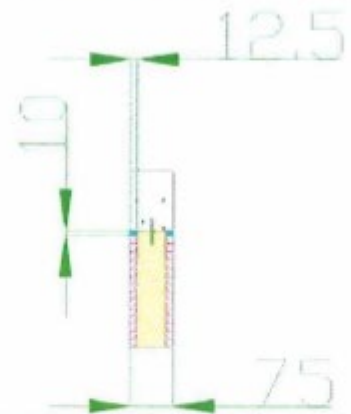


Figure 7: wall gypsum to stone thickness ≥ 100 mm

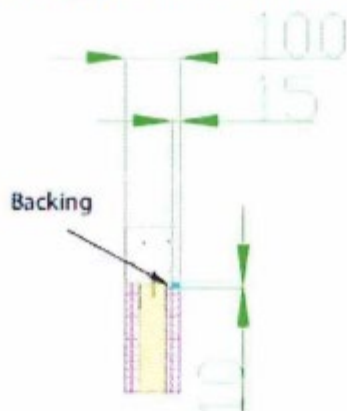


Figure 8: wall gypsum to stone thickness ≥ 100 mm

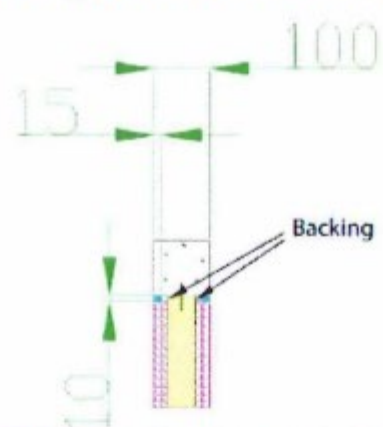


Figure 9: wall gypsum to stone thickness ≥ 100 mm

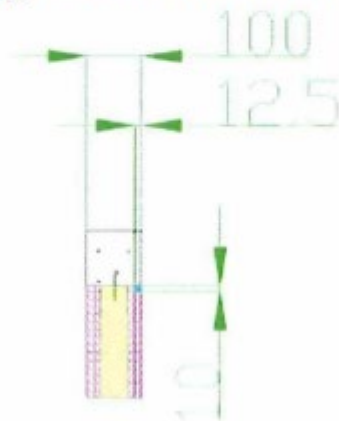
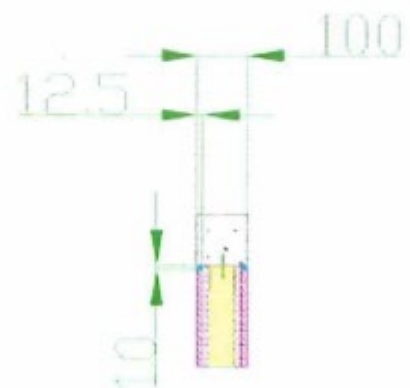


Figure 10: wall gypsum to stone thickness ≥ 100 mm





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-s000	(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-s000;C1r,s0-s000	(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