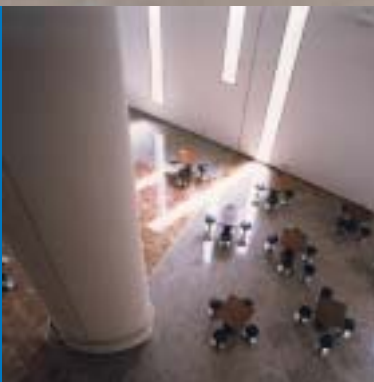


# Couvraneuf®

C/S Expansion joint covers  
Interior & Exterior - Thermal - Seismic



CISGROUP



CIS FRANCE

#### 4 SELECTION AND INSTRUCTION GUIDE



pictogrammes, movements

#### 6 MIFASOL THINLINE SURFACE



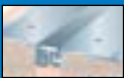
for joint size 20 to 25 mm  
RM, GFS, GFNS, GFPS

#### 8 MIFASOL THINLINE FLUSH



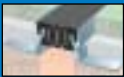
for 50 mm joint size  
GFR, GFR, GFP-HD

#### 10 MIFASOL ALL METAL SECTIONS



for joint size 20 to 50 mm  
RLG, HLG, AL, ALS

#### 12 MIFASOL THINLINE FLUSH



for joint size 40 to 70 mm  
HO, HLO, GFT-HD

#### 14 MIFASOL THINLINE FLUSH



for joint size 20 to 65 mm  
GFT

#### 16 MIFASOL THINLINE SEISMIC



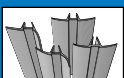
for joint size 50 to 250 mm  
GFTD, SSR

#### 18 MIFASOL THINLINE SEISMIC



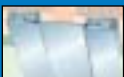
for joint size 150 to 400 mm  
SGP, SGR

#### 20 WALL AND CEILING COVERS RIGID SEALS



for joint size 15 to 100 mm  
W, JD

#### 22 WALL AND CEILING COVERS



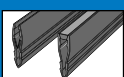
for joint size 20 to 250 mm  
AFW, SMN, FWF, FWFP, FGFS, SFW

#### 24 EXTERIOR SEISMIC COVERS FOR EXTERIOR FACADES



for joint size 50 to 400 mm  
SC

#### 26 JOINTODAL CONTRACTION DIVIDERS JOINTS



for coverings  
JF, JO, JSI

## WHAT ARE THE VARIOUS PARAMETERS TO BE CONSIDERED WHEN DEALING WITH EXPANSION JOINTS :

Assure structural continuity ?

Operational safety ?

Air, water, gas and fire tightness ?

Allow for possible movement between buildings ?

Hinder vibration transfer between elements ?

Prevent stress transfer from one structure to another ?

In the event of an earthquake, free emergency service access ?

Provide an aesthetic or invisible finish ?

Assure maximum comfort of use ?

### DEFINITION :

An expansion joint is space left free between two building elements to allow movement to take place.

Two types of movement are to be taken into consideration :

### EXPANSION MOVEMENT :

This slow movement is the direct result of :

- the expansion coefficient of materials,
- environmental temperature difference (mini/maxi),
- structural length.

### SEISMIC MOVEMENT :

This very rapid, one time, movement, caused by earth movement, is the direct result of :

- seismic movement
- the geographical location of the building
- the height of the building

Specific construction regulations regarding the prevention of seismic risks exist in every country depending on local conditions (EUROCODE 8).

C/S FRANCE are members of the French Association for Seismic Risks and Prevention AFPS.





### HISTORICAL MAP OF MAJOR SEISMIC INCIDENTS IN EUROPE / MIDDLE EAST



Expansion joints must assure the complete independence of demarcation block limits.

The joints must be thoroughly cleaned of all materials and permanently, protected against the introduction of foreign bodies likely to interfere with their performance.

The joint covers, plugging or sealing materials must not transmit significant stress from one element to another.

#### DESIGN MANUAL/CAD & TECHNICAL SERVICE

A complete Expansion Joint Design Manual is available free to qualified architects, design consultants and specification writers. The manual contains additional models not featured in this brochure. Also, details on specific models in the manual, and custom designs are available on or floppy disk in Autocad format.

The manual includes :

- Full or half-scale details of all C/S Standard Expansion Joint Cover assemblies.
- Guideline specification for each system.
- Step by step installation instructions.
- A section devoted to fire barrier protection.
- Details available on CAD.

#### C/S FRANCE

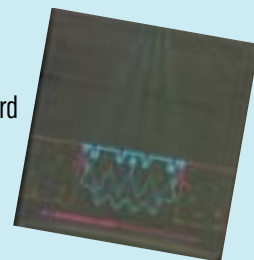
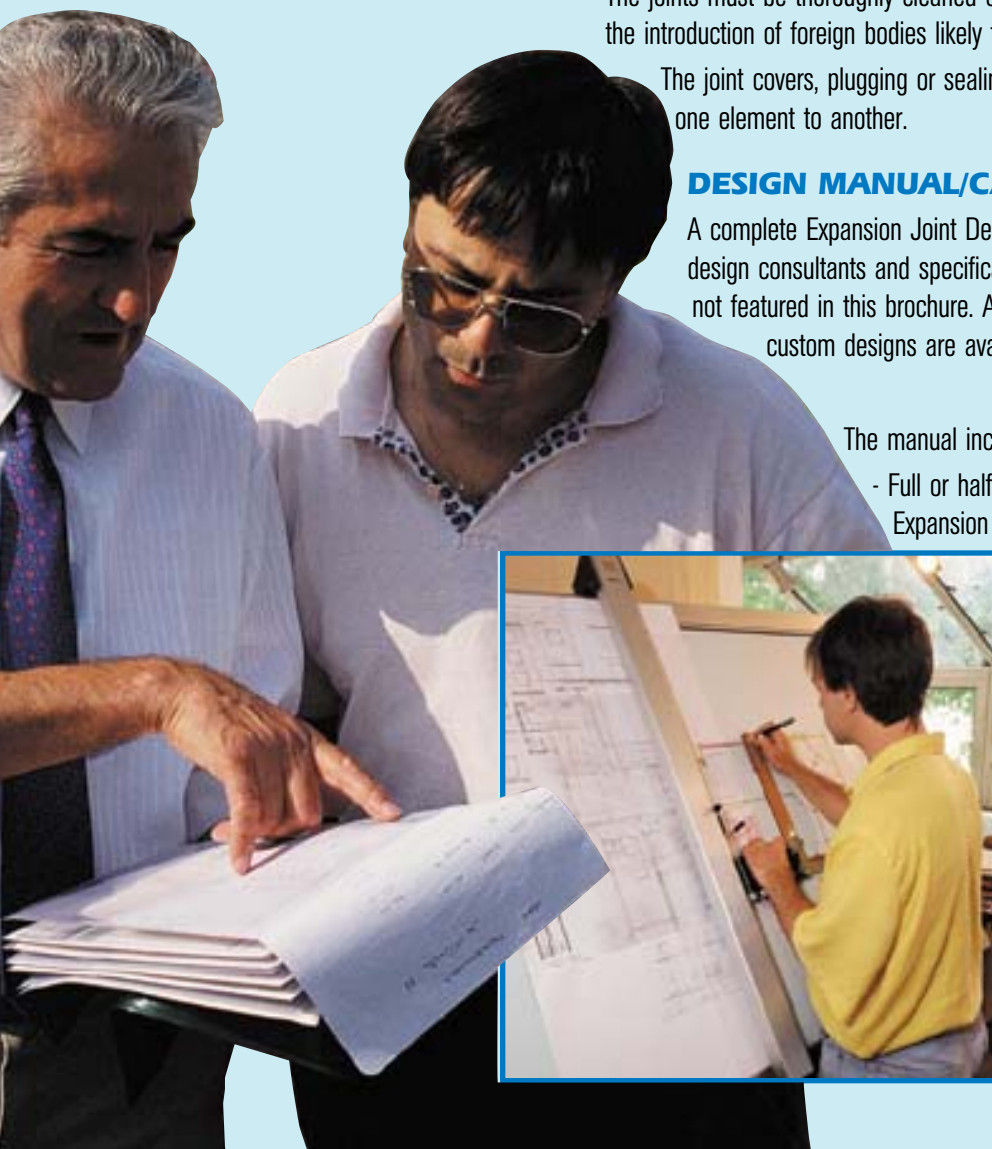
1, rue de la Cressonnière, F. 27950 Saint-Marcel

Phone : 00 33 (0)2 32 64 84 00 -

Fax : 00 33 (0)2 32 64 84 12

Websites : [www.cs-france.fr](http://www.cs-france.fr) - [www.c-sgroup.com](http://www.c-sgroup.com)

E-mail : [export@cs-france.fr](mailto:export@cs-france.fr)



# PICTOGRAMMES



## CLASS 1

**CROSSING ALLOWED :**  
pedestrians



## CLASS 2

**CROSSING ALLOWED :**  
- private cars  
- small vans (occasionally)



## CLASS 3

**CROSSING ALLOWED :**  
- forklift trucks  
**(pneumatic tyred wheels)**  
- small vans  
- heavy duty vehicles (occasionally)

### EXPANSION JOINT COVER PERMISSIBLE MOVEMENT



Horizontal shear

Traction, horizontal  
compression

Vertical unevenness

### PROTECTION OF EXPANSION JOINTS AGAINST THE PROLIFERATION OF FIRE AND GAS :






As a complement to its range of joint covers, C/S FRANCE has various fire break systems available which meet all joint configurations to be dealt with.

Please refer to documentation "Joint coupe feu 07" (Fire stops).

# SELECTION AND

IMPLANTATION	REFERENCE	TYPE OF JOINT	JOINT WIDTH mm	MOVEMENT DIRECTION
floor	RM20...	surface	20	↔
floor	GFS(W)...	surface	25 to 65	↔
floor	GFNS(W)...	surface	20 to 65	↔
floor	GFPS(W)...	surface	20 to 65	↔
floor	GFP(W)...	flush	50	⊘
floor	GFR(W)...	flush	50	⊘
floor	GFP(W)...HD	flush	50	⊘
floor	RLG36/31	surface	40	⊘
floor	HLG55/...	flush	40	⊘
floor	AL(W)...HD	flush	50	⊘
floor	H038/...	flush	40 to 50	⊕
floor	H050/40(P)	flush	40 to 50	⊕
floor	HLO58/...(P)	flush	40 to 50	↔
floor	GFT(W).../40HD	flush	40 to 70	⊕
floor	GFT(W)...	flush	20 to 65	↔
floor	SSR(W)...	flush	100 to 250	⊘
floor	GFTD...	flush	50 to 75	⊘
floor	SGP(W)...	flush	150 to 400	⊘
floor	SGR(W)...	flush	150 to 400	⊘
wall / ceiling	JD - W	surface	15 to 80	↔
wall / ceiling	AFW(C)...	flush	25 to 50	⊕
wall / ceiling	SM(C)N...	surface	25 to 50	⊕
wall / ceiling	SFW...	surface	100 to 250	⊕
wall / ceiling	FWFP(W)...	flush	20 to 50	⊘
wall / ceiling	FWF(W)...	flush	20 to 50	⊘
wall / ceiling	FGFS(W)...	surface	25 to 50	⊘
wall / ceiling	SC...	surface	50 to 275	⊘
industrial floors	JOINTODAL	NA	NA	NA

# INSTRUCTION GUIDE

ALLOWABLE SEISMIC MOVEMENT	VISIBLE SURFACE	CROSSING ALLOWED			USE	PAGE	WALL CONTINUITY EXAMPLE
		 CLASS 1	 CLASS 2	 CLASS 3			
	elastomer	●			interior	6	FGFS...
	elastomer		●		interior	6	FGFS...
	elastomer	●			interior	6	FWF...
●	elastomer	●			interior	6	FWF...
●	metal and elastomer	●			interior	8	FWF...
●	elastomer and ditto environment	●			interior	8	AFW...
●	metal and elastomer		●		interior	8	AFW...
	metal			●	exterior	10	SC50
	metal			●	exterior	10	SC50
●	metal		●		exterior	10	SC50
	elastomer		●		interior	12	SMN...
	elastomer			●	interior	12	SMN...
	elastomer		●	●	interior	12	SMN...
	elastomer			●	exterior	12	SC50
	elastomer			●	interior	14	FWF...
	ditto environment			●	exterior	16	SCW...
	ditto environment	●			interior	16	SCW...
●	metal	●			interior	18	SCW...
	ditto environment	●			interior	18	SCW...
	metal, brass, rigid seal	NA	NA	NA	interior/exterior	20	
●	metal	NA	NA	NA	interior	22	
●	metal	NA	NA	NA	interior	22	
●	metal	NA	NA	NA	interior	22	
	elastomer	NA	NA	NA	interior	22	
	elastomer	NA	NA	NA	interior	22	
	elastomer	NA	NA	NA	interior	22	
●	elastomer	NA	NA	NA	exterior	24	
NA	NA			●	interior	26	



# MIFASOL THINLINE SURFACE

Flush or thinline surface finish.

Multidirectional elasticity.

Elastomer flexible strips resistant to oils, tars, and certain acids.

2 standard colours of gaskets (grey and black).

Easy to maintain smooth or ribbed exposed surfaces.

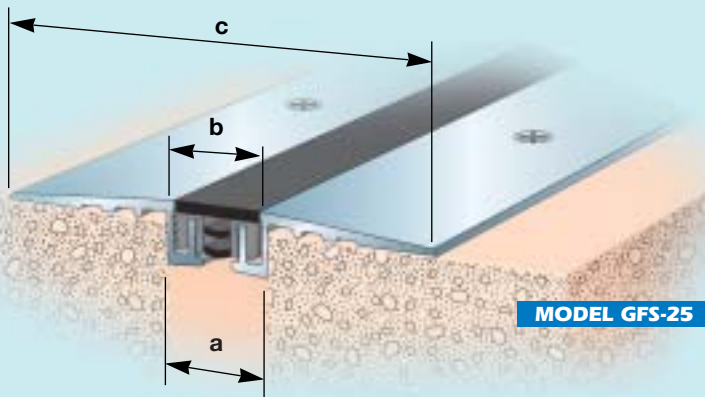
Fire resistant barrier, frame options to suit most floor finishes, optional.



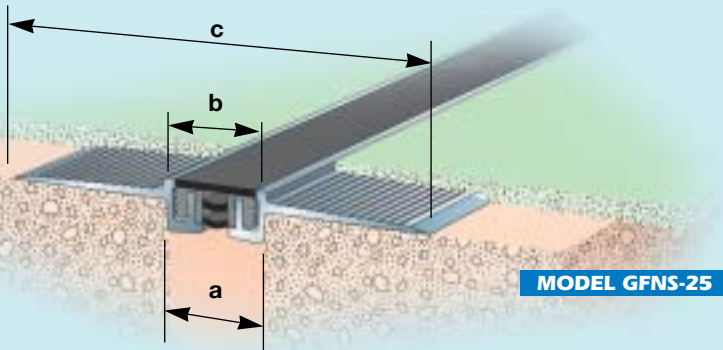
**FOR JOINTS**  
from 20 to 25 mm

Type	a	b	c	d	Movement ± mm	Example of wall continuity
	mm	mm	mm	mm		
RM 20-0	20	20	96	0	3	RM
RM 20-3	20	20	96	3	3	RM
RM 20-5	20	20	96	5	3	RM
RM 20-8	20	24	96	8	3	RM
RM 20-10	20	24	96	10	3	RM
GFS-25	25		110	0	5	FGFS-25
GFNS-25	25	27	110	3	5	FWF-25
GFNSW-25*	25	28	68	3	5	FWFC-25
GFPS-25	25	30	110	5	5	FWF-25
GFPSW-25*	25	28	68	5	5	FWFC-25

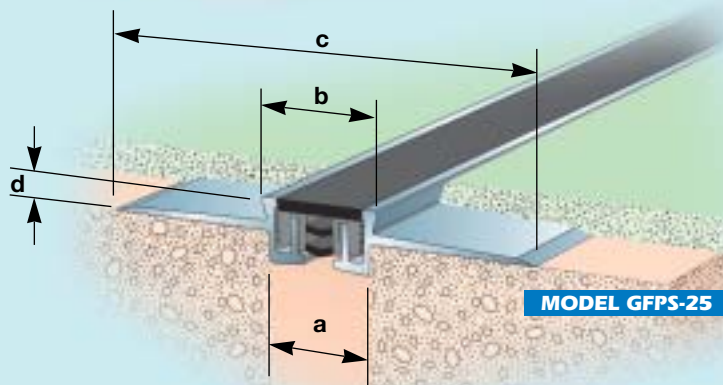
\*References for floor joints which run along the wall. (Floor to wall).



MODEL GFS-25



MODEL GFNS-25



MODEL GFPS-25

Note : GFS, GFNS, and GFPS references are available in widths of 50 and 65 mm.

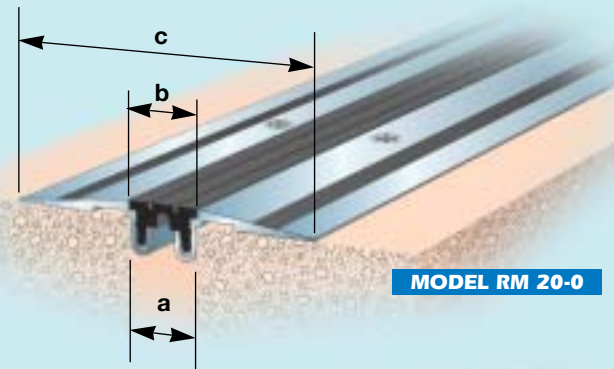
## DESCRIPTION

Aluminium alloy sections.

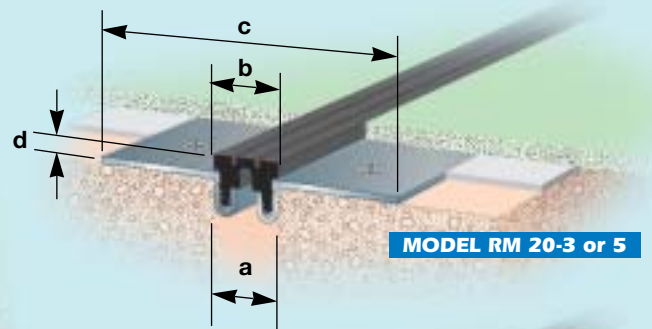
Elastomer flexible bands which snap onto the aluminium lateral supports.

## COLOURS AVAILABLE FOR FLEXIBLE STRIPS :

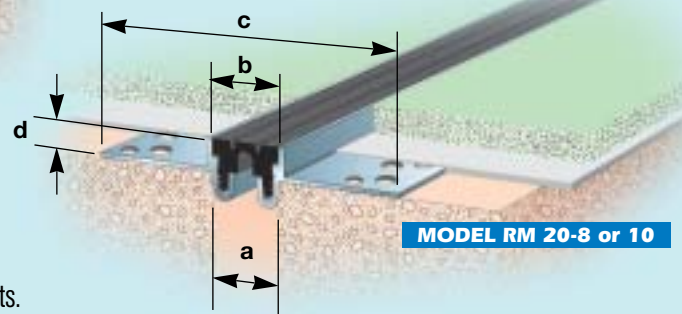
Grey and black standard colours. For other colours please contact us.



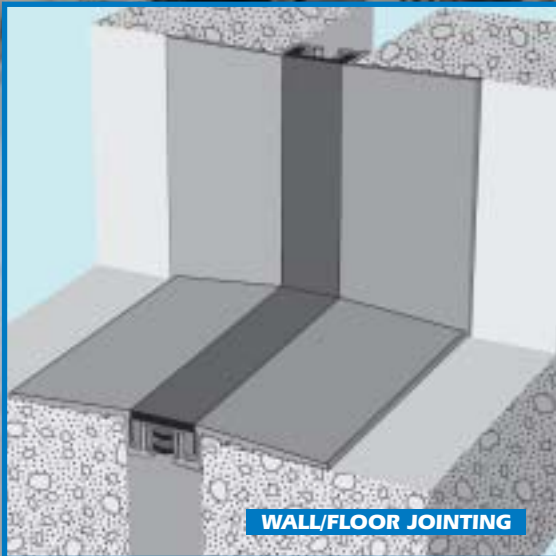
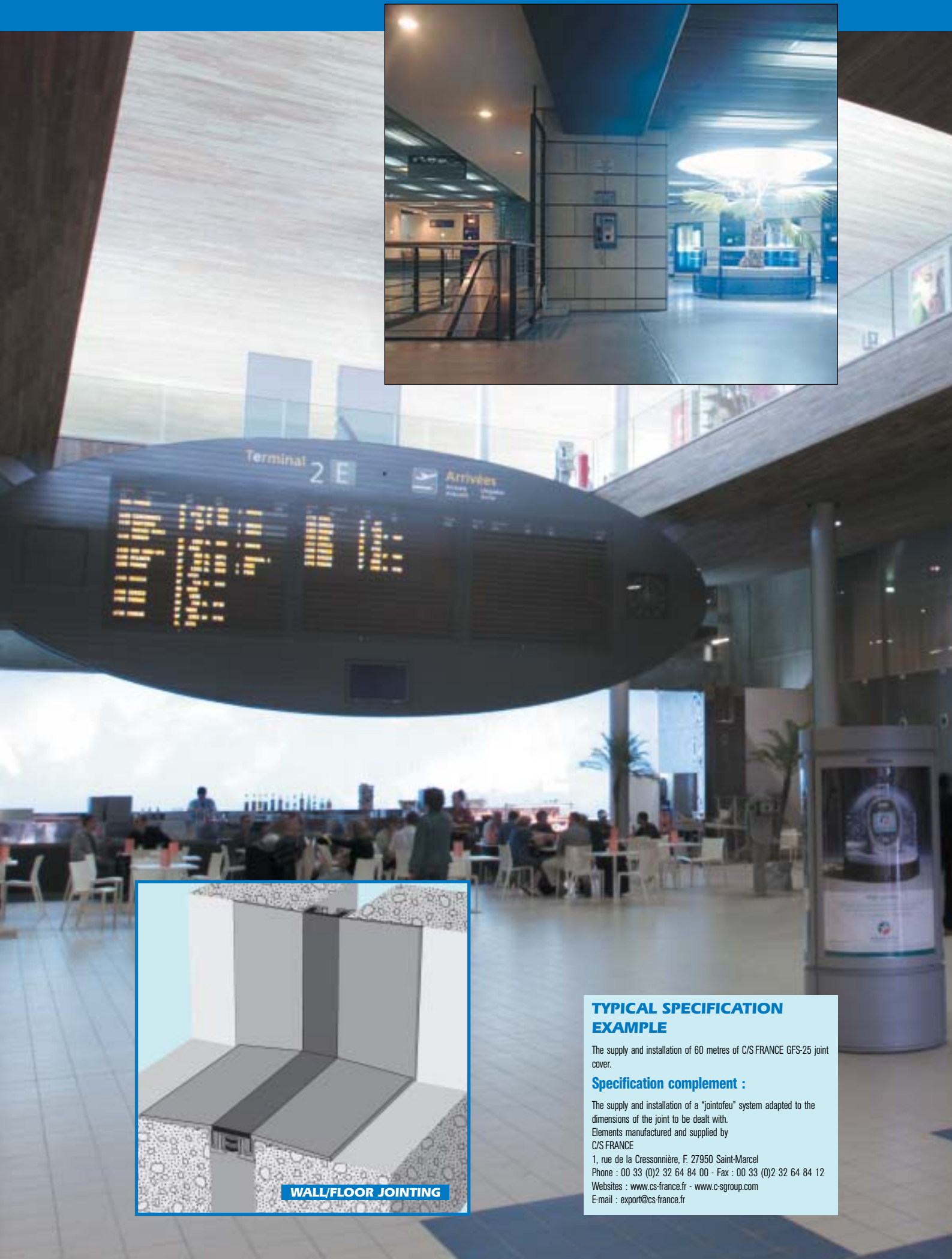
MODEL RM 20-0



MODEL RM 20-3 or 5



MODEL RM 20-8 or 10



**TYPICAL SPECIFICATION EXAMPLE**

The supply and installation of 60 metres of C/S FRANCE GFS-25 joint cover.

**Specification complement :**

The supply and installation of a "jointfeu" system adapted to the dimensions of the joint to be dealt with.  
 Elements manufactured and supplied by C/S FRANCE  
 1, rue de la Cressonnière, F. 27950 Saint-Marcel  
 Phone : 00 33 (0)2 32 64 84 00 - Fax : 00 33 (0)2 32 64 84 12  
 Websites : [www.cs-france.fr](http://www.cs-france.fr) - [www.c-sgroup.com](http://www.c-sgroup.com)  
 E-mail : [export@cs-france.fr](mailto:export@cs-france.fr)



# MIFASOL THINLINE FLUSH

Flush finish.

Multidirectional elasticity.

Elastomer flexible strips resistant to oils, tars, and certain acids.

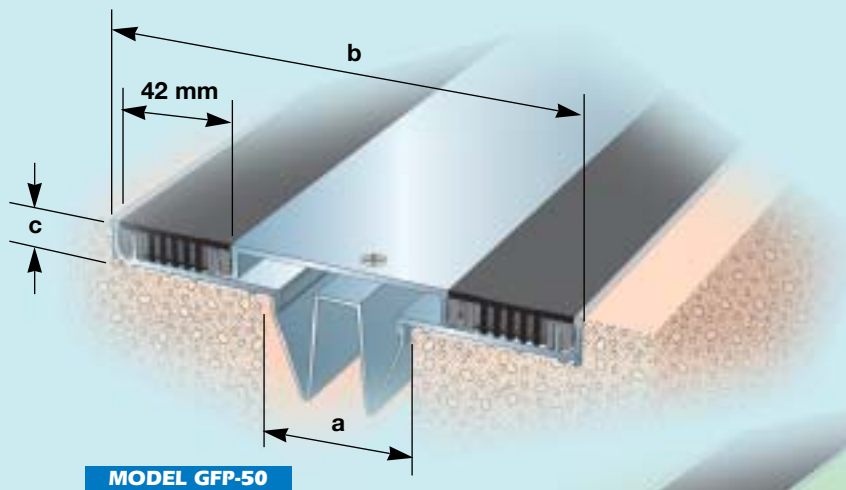
2 standard colours of gaskets (grey and black).

Easy to maintain smooth or ribbed exposed surfaces

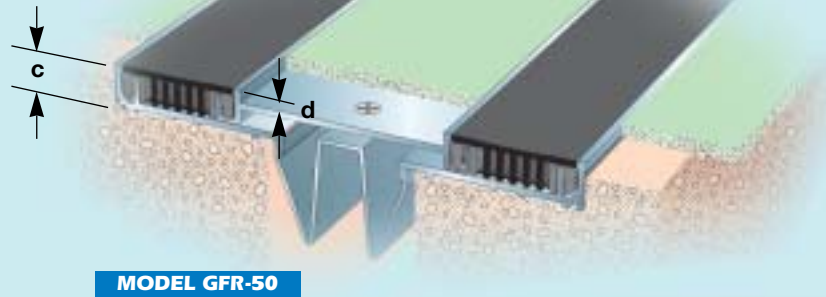
Fire resistant barrier, optional.

Possible integration of the current covering in the central part.

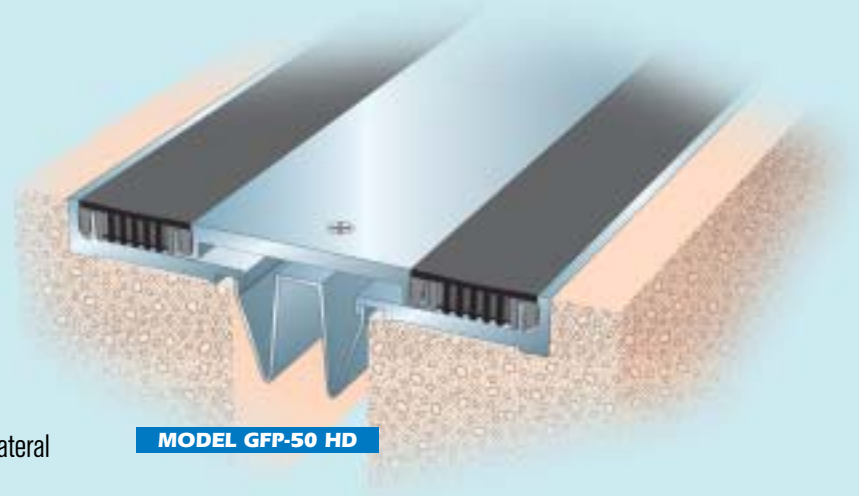
No emission of chloride smoke in the event of fire.



MODEL GFP-50



MODEL GFR-50



MODEL GFP-50 HD

## DESCRIPTION

Aluminium alloy sections.

Elastomer flexible gaskets which snap onto aluminium lateral supports.

## COLOURS AVAILABLE FOR FLEXIBLE STRIPS :

Grey and black standard colours. For other colours, please contact us.



## FOR JOINTS of 50 mm

Type	a mm	b mm	c mm	d mm	Movt ± mm	Example of wall continuity
GFP-50	50	166	16	0	20	FWA-50
GFPW-50*	50	108	16	0	10	FWAC-50
GFR-50	50	166	16	3	20	FWA-50
GFRW-50*	50	108	16	3	10	FWAC-50

\*References for floor joints which run along the wall. (Floor to wall).

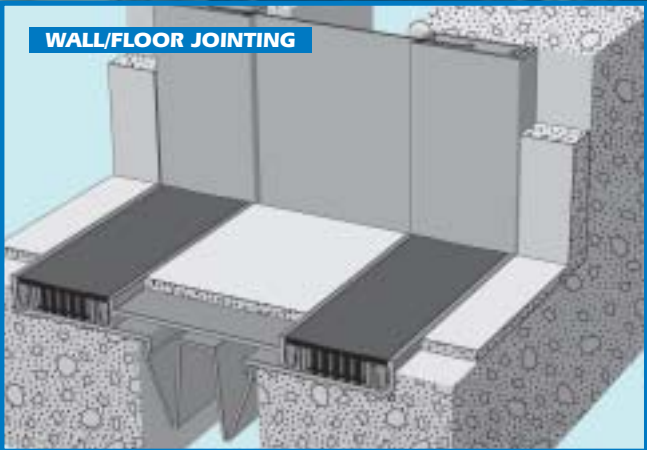


## FOR JOINTS from 50 to 60 mm

Type	a mm	b mm	c mm	Movement ± mm	Example of wall continuity
GFP-50 HD	50	166	19	20	FWA-50
GFPW-50 HD*	50	109	19	10	FWAC-50

\*References for floor joints which run along the wall. (Floor to wall).





# MIFASOL ALL METAL SECTIONS

Flush or surface finish.

All aluminium assembly

Mechanically assembled elements

Multidirectional sliding system.

Fire resistant barrier, optional.

## USE

**AL-HD** for resin or asphalt floor covering. (Flush)

**ALW-HD** version complementary to the AL-HD series for floor / wall jointing.

**RLG** for concrete floor covering. (Surface)

**HLG** for resin or asphalt floor covering. (Flush)

## DESCRIPTION

Aluminium alloy sections.

The exposed sections are natural shade anodised.



**FOR JOINTS**  
from 20 to 50 mm

Type	a	b	c	d	Movement
	mm	mm	mm	mm	± mm
AL 50 HD	50	-	230	25	50
ALW 50 HD*	50	-	140	25	25
AL 50 HDC	50	-	230	25	50

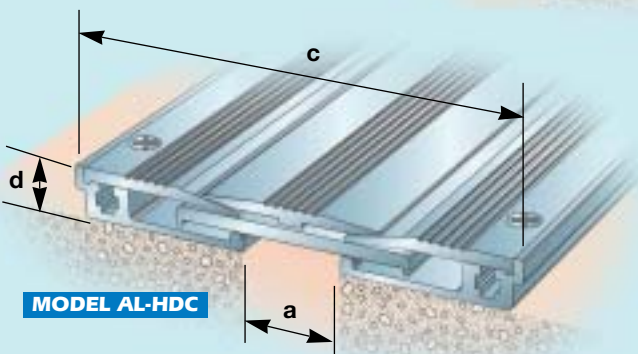
\*References for floor joints which run along the wall. (Floor to wall).



**FOR JOINTS**  
from 20 to 50 mm

Type	a	b	c	d	Movement
	mm	mm	mm	mm	± mm
RLG 36/31	40	-	190	31	6
HLG 55/31	40	55	190	31	6
HLG 55/50	40	55	190	50	6

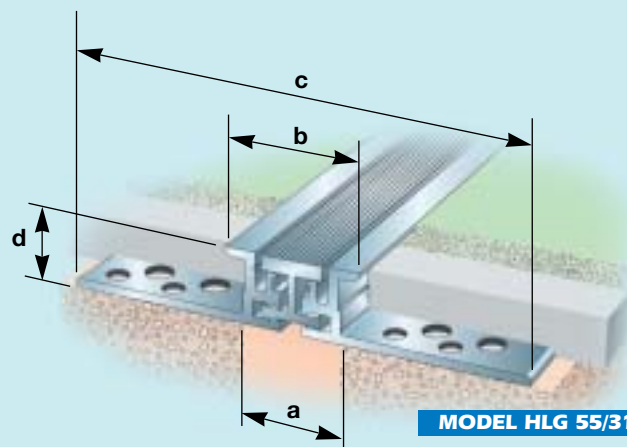
MODEL AL-HD



MODEL AL-HDC



MODEL RLG 36/31



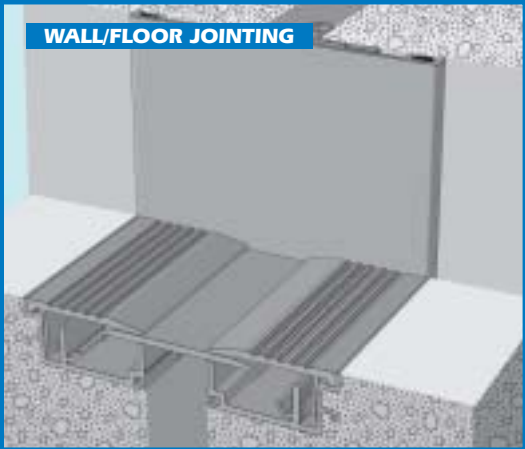
MODEL HLG 55/31

## USE

**ALS** for tiled or marble covered floor.  
Fix the expansion joint cover to the slab or into recess intended for this purpose, prior to installing the final covering.

**ALSW** version complementary to the ALS series for floor/wall jointing.







# MIFASOL THINLINE FLUSH

Flush finish.

Multidirectional elasticity.

Very thick flexible strips resistant to oil, tar, and certain acids.

2 standard colours of gaskets (grey and black).

Fire resistant barrier, optional.



**FOR JOINTS**  
from 20 to 40 mm

Type	a	b	c	d	Movement
	mm	mm	mm	mm	± mm
HO 38/14	33	38	128	14	5
HO 38/28	33	38	128	28	5
HO 38/42	33	38	128	42	5
HO 38/28L	33	44	128	28	5
HO 38/60	33	44	128	60	5
HO 38/80	33	44	128	80	5
HO 38/100	33	44	128	100	5
HO 38/14P*	33	38	128	14	5
HO 38/28P*	33	38	128	28	5
HO 38/42P*	33	38	128	42	5
HO 38/60P*	33	44	128	60	5
HO 38/80P*	33	44	128	80	5
HO 38/100P*	33	44	128	100	5

\*References for floor joints which run along the wall. (Floor to wall).



**FOR JOINTS**  
from 40 to 70 mm

Type	a	b	c	d	Movement
	mm	mm	mm	mm	± mm
HO 50/30	40/50	55	145	30	10
HO 50/40	40/50	55	145	40	10
HO 50/60	40/50	55	145	60	10
HO 50/80	40/50	55	145	80	10
HO 50/40 P*	40/50	55	100	40	10

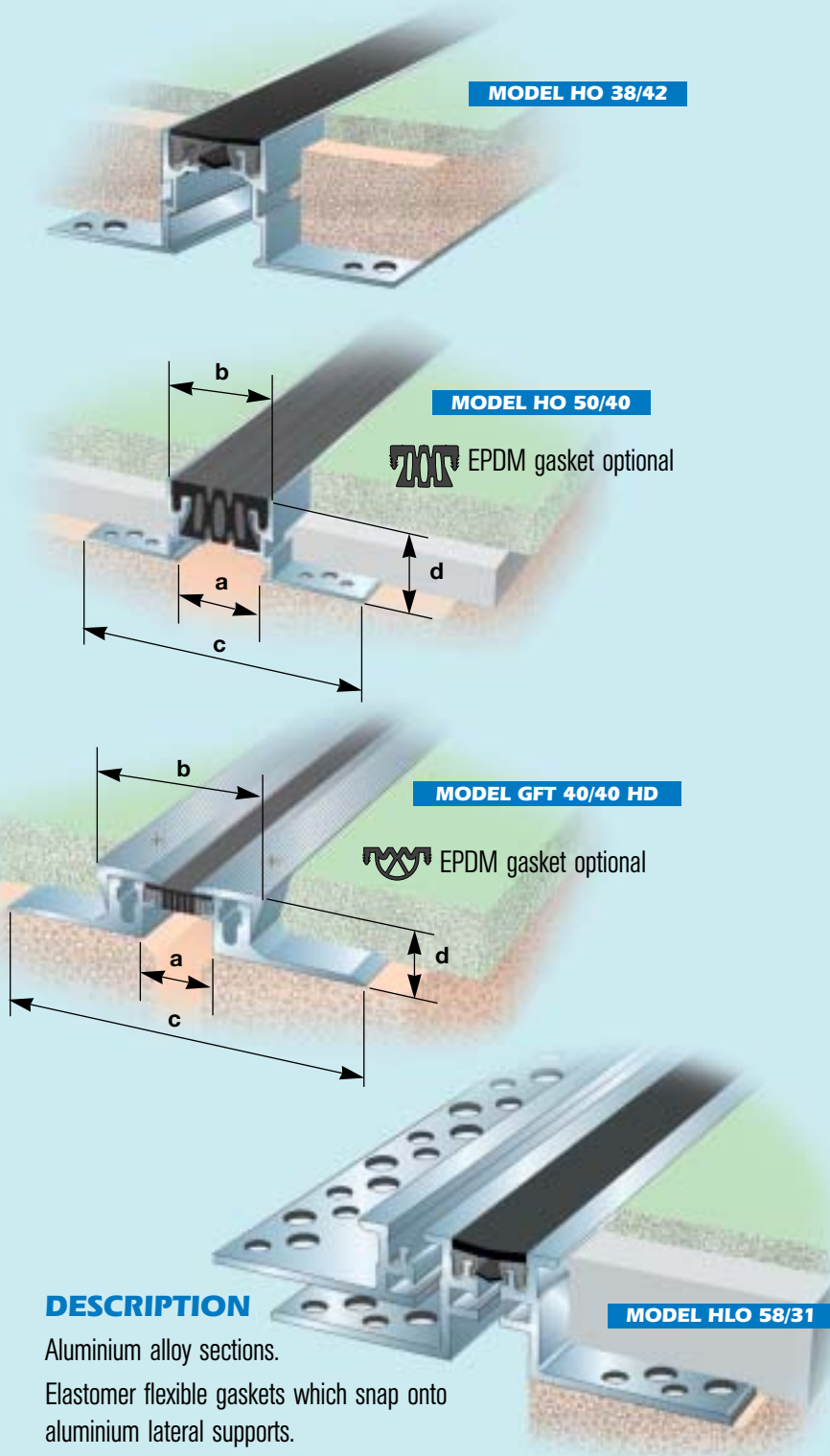
\*References for floor joints which run along the wall. (Floor to wall).  
HO 50 range can be proposed with an EPDM gasket.



**FOR JOINTS**  
from 40  
to 70 mm

Type	a	b	c	d	Movement
	mm	mm	mm	mm	± mm
HLO 58/31	40/50	58	194	31	5
HLO 58/31 P*	40/50	48	118	31	5
HLO 58/50	40/50	58	194	50	5
HLO 58/50 P*	40/50	48	118	50	5
GFT 40/25 HD	40/70	107	233	25	10
GFT 40/40 HD	40/70	107	233	40	10

\*References for floor joints which run along the wall. (Floor to wall).  
GFT 40 HD range can be proposed with an EPDM gasket.



## DESCRIPTION

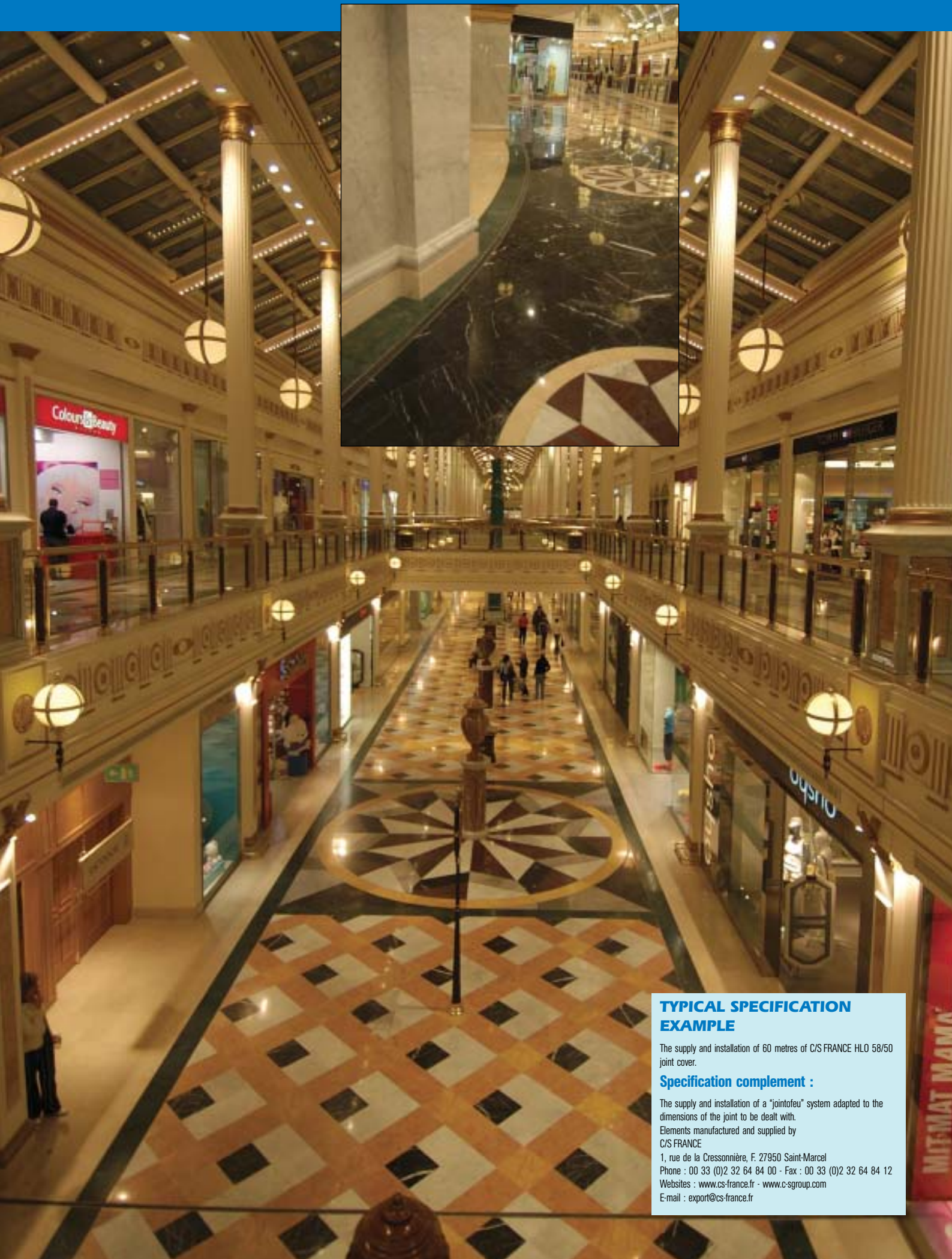
Aluminium alloy sections.

Elastomer flexible gaskets which snap onto aluminium lateral supports.

## COLOURS AVAILABLE FOR FLEXIBLE STRIPS :

Grey and black standard colours. For other colours, please contact us.





### TYPICAL SPECIFICATION EXAMPLE

The supply and installation of 60 metres of C/S FRANCE HLO 58/50 joint cover.

#### Specification complement :

The supply and installation of a "jointfeu" system adapted to the dimensions of the joint to be dealt with.  
Elements manufactured and supplied by  
C/S FRANCE  
1, rue de la Cressonnière, F. 27950 Saint-Marcel  
Phone : 00 33 (0)2 32 64 84 00 - Fax : 00 33 (0)2 32 64 84 12  
Websites : [www.cs-france.fr](http://www.cs-france.fr) - [www.csgroup.com](http://www.csgroup.com)  
E-mail : [export@cs-france.fr](mailto:export@cs-france.fr)

# MIFASOL THINLINE FLUSH

Flush finish.

Multidirectional elasticity.

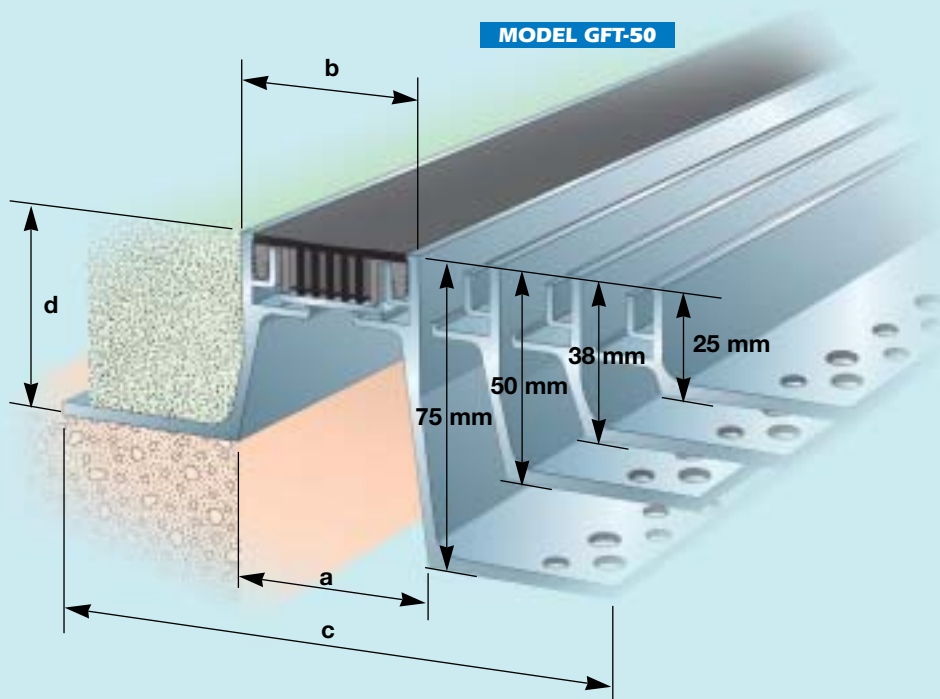
Elastomer flexible strips resistant to oil, tar, and certain acids.

2 standard colours of gum (grey and black).

Easy to maintain smooth or ribbed exposed surfaces.

Fire resistant barrier, optional.

No emission of chloride smoke in the event of fire.



**FOR JOINTS**  
from 20 to 25 mm

Type	a mm	b mm	c mm	d mm	Mouv ± mm	Example of wall continuity
GFT-25-25	20/25	32	127	25	5	FWF-25
GFTW-25-25*	20/25	22	76	25	5	FWFC-25
GFT-25-38	20/25	32	127	38	5	FWF-25
GFTW-25-38*	20/25	22	76	38	5	FWFC-25
GFT-25-50	20/25	32	127	50	5	FWF-25
GFTW-25-50*	20/25	22	76	50	5	FWFC-25
GFT-25-75	20/25	32	127	75	5	FWF-25
GFTW-25-75*	20/25	22	76	75	5	FWFC-25

\*References for floor joints which run along the wall. (Floor to wall).



**FOR JOINTS**  
from 40 to 65 mm

Type	a mm	b mm	c mm	d mm	Mouv ± mm	Example of wall continuity
GFT-50-25	40/50	48	150	25	10	FWFP-50
GFTW-50-25*	40/50	48	100	25	10	FWFPC-50
GFT-50-38	40/50	48	150	38	10	FWFP-50
GFTW-50-38*	40/50	48	100	38	10	FWFPC-50
GFT-50-50	40/50	48	150	50	10	FWFP-50
GFTW-50-50*	40/50	48	100	50	10	FWFPC-50
GFT-50-75	40/50	48	150	75	10	FWFP-50
GFTW-50-75*	40/50	48	100	75	10	FWFPC-50
GFT-65-25	65	63	165	25	10	FWFP-65
GFTW-65-25*	65	63	115	25	10	FWFPC-65
GFT-65-38	65	63	165	38	10	FWFP-65
GFTW-65-38*	65	63	115	38	10	FWFPC-65
GFT-65-50	65	63	165	50	10	FWFP-65
GFTW-65-50*	65	63	115	50	10	FWFPC-65
GFT-65-75	65	63	165	75	10	FWFP-65
GFTW-65-75*	65	63	115	75	10	FWFPC-65

\*References for floor joints which run along the wall. (Floor to wall).

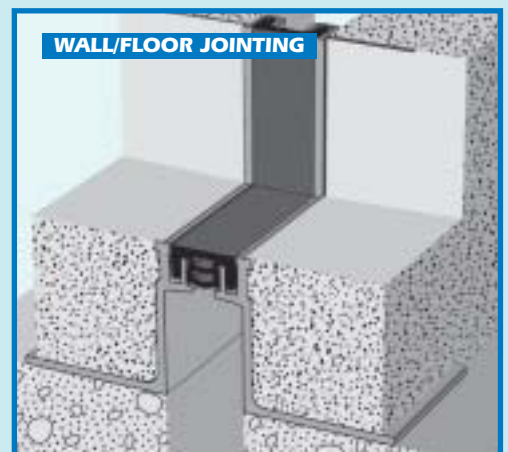
## DESCRIPTION

Aluminium alloy sections.

Elastomer flexible gaskets which snap onto aluminium lateral supports.

## COLOURS AVAILABLE FOR FLEXIBLE STRIPS :

Grey and black standard colours. For other colours, please contact us.







### TYPICAL SPECIFICATION EXAMPLE

The supply and installation of 60 metres of C/S FRANCE GFT-50-50 joint cover.

#### Specification complement :

The supply and installation of a "jointofeu" system adapted to the dimensions of the joint to be dealt with.

Elements manufactured and supplied by  
C/S FRANCE

1, rue de la Cressonnière, F. 27950 Saint-Marcel

Phone : 00 33 (0)2 32 64 84 00 - Fax : 00 33 (0)2 32 64 84 12

Websites : [www.cs-france.fr](http://www.cs-france.fr) - [www.c-sgroup.com](http://www.c-sgroup.com)

E-mail : [export@cs-france.fr](mailto:export@cs-france.fr)

# MIFASOL THINLINE SEISMIC

Flush finish.

Multidirectional elasticity.

Elastomer flexible strips resistant to oil, tar, and certain acids.

2 standard colours of gaskets (grey and black).

Easy to maintain smooth exposed surfaces.

Fire resistant barrier, optional.

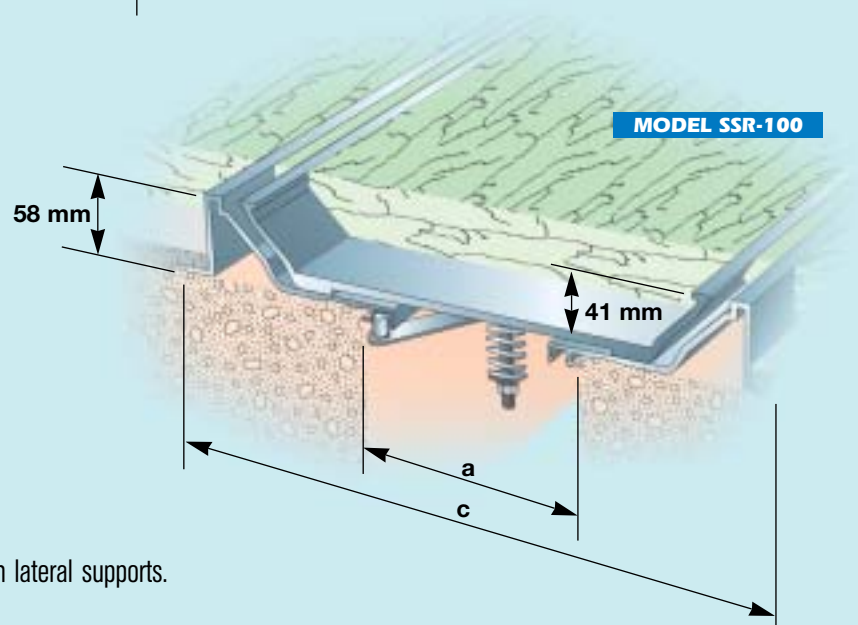
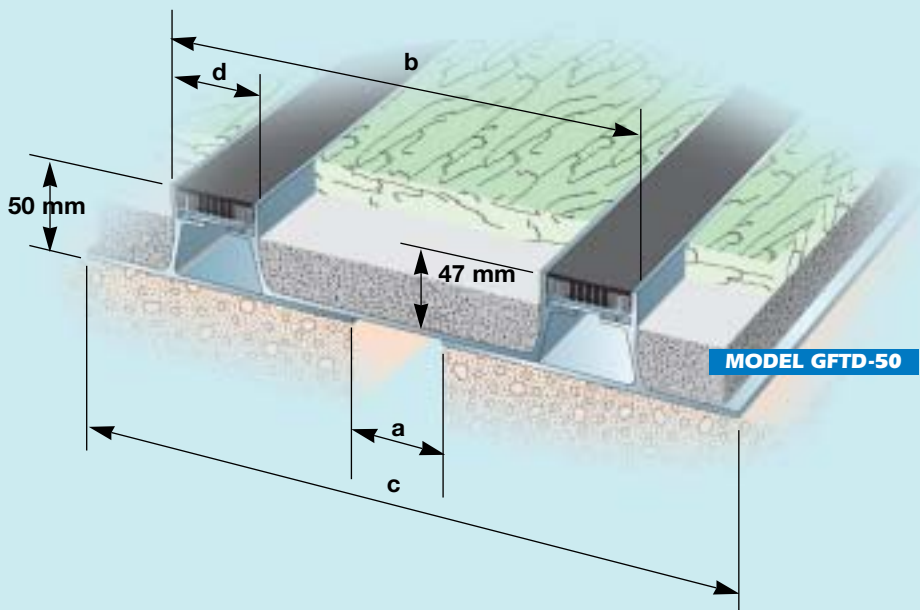
No emission of chloride smoke in the event of fire.



**FOR JOINTS**  
from 40  
to 250 mm

Type	a mm	b mm	c mm	d mm	Movement ± mm	Example of wall continuity
GFTD-50	50	273	375	42	20	SMN-100
GFTD-75	75	303	405	57	30	SMN-100
SSR-100	100		365		50	SFW-100
SSRW-100* 100			235		25	SCW-100
SSR-150	150		415		76	SFW-150
SSRW-150* 150			285		38	SCW-150
SSR-200	200		520		102	SFW-200
SSRW-200* 200			360		50	SWC-200
SSR-250	250		570		127	SFW-250
SSRW-250* 250			411		63	SCW-250

\*References for floor joints which run along the wall. (Floor to wall).



## DESCRIPTION

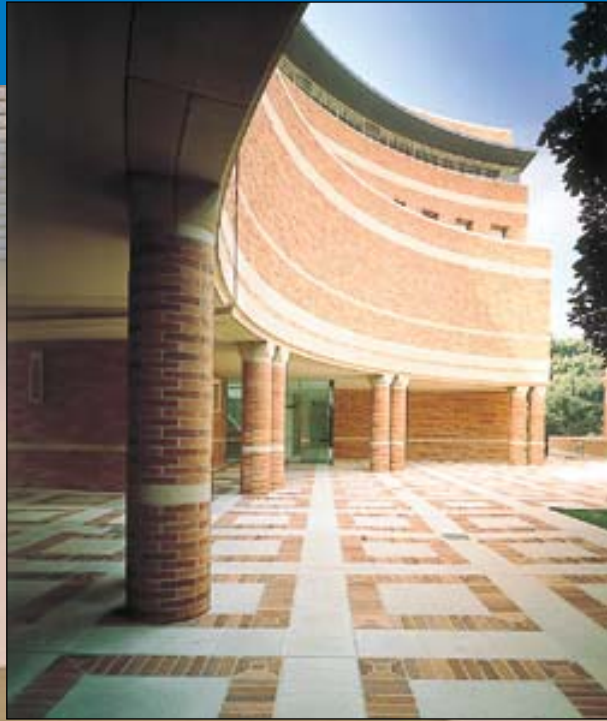
Aluminium alloy sections.

Elastomer flexible gaskets which snap onto aluminium lateral supports.

## COLOURS AVAILABLE FOR FLEXIBLE STRIPS :

Grey and black standard colours. For other colours, please contact us.





### TYPICAL SPECIFICATION EXAMPLE

The supply and installation of 90 metres of C/S FRANCE SRR-200 joint cover.

#### Specification complement :

The supply and installation of a "jointofeu" system adapted to the dimensions of the joint to be dealt with.

Elements manufactured and supplied by  
C/S FRANCE

1, rue de la Cressonnière, F. 27950 Saint-Marcel  
Phone : 00 33 (0)2 32 64 84 00 - Fax : 00 33 (0)2 32 64 84 12  
Websites : [www.cs-france.fr](http://www.cs-france.fr) - [www.c-sgroup.com](http://www.c-sgroup.com)  
E-mail : [export@cs-france.fr](mailto:export@cs-france.fr)



# MIFASOL THINLINE SEISMIC

Flush finish.

Multidirectional elasticity.

Elastomer flexible strips resistant to oil, tar, and certain acids.

2 standard colours of gaskets (grey and black).

Easy to maintain smooth exposed surface.

Fire resistant barrier, optional.

Possible integration of the current covering in the central section.

During movements of considerable magnitude mechanical constraints are systematically distributed along the two expansion strips due to pivots screwed under the central plate which hold it in the central position.

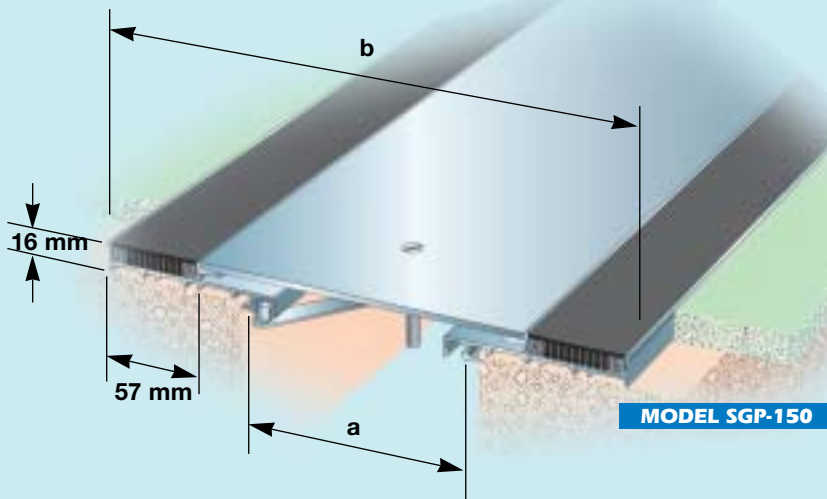
This system is intended for pedestrian areas.



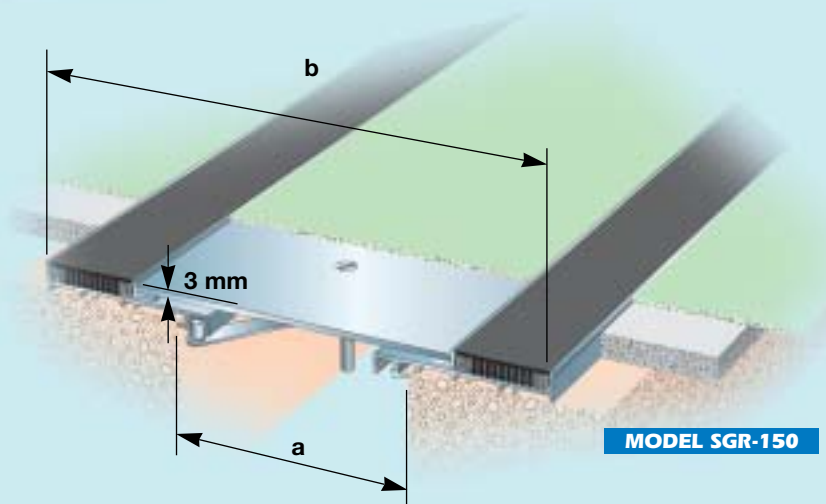
**FOR JOINTS  
from 150 to 400 mm**

Type	a	b	Movement
	mm	mm	± mm
SGP/SGR-150	150	330	30
SGPW/SGRW-150*	150	240	15
SGP/SGR-200	200	405	30
SGPW/SGRW-200*	200	305	15
SGP/SGR-250	250	480	30
SGPW/SGRW-250*	250	370	15
SGP/SGR-300	300	560	30
SGPW/SGRW-300*	300	430	15
SGP/SGR-350	350	635	30
SGPW/SGRW-350*	350	495	15
SGP/SGR-400	400	710	30
SGPW/SGRW-400*	400	560	15

\*References for floor joints which run along the wall. (Floor to wall).



**MODEL SGP-150**



**MODEL SGR-150**

## DESCRIPTION

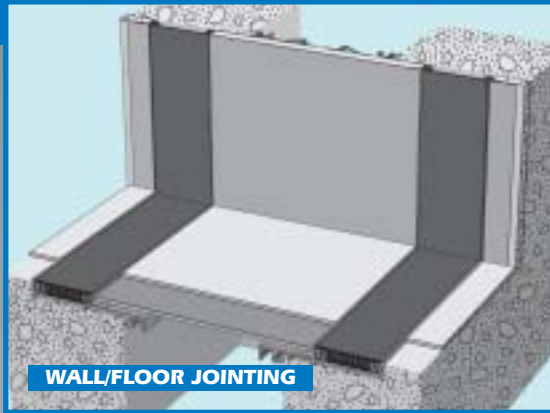
Aluminium alloy sections.

Elastomer flexible gaskets which snap onto aluminium lateral supports.

Stainless steel self-centring pivots.

## COLOURS AVAILABLE FOR FLEXIBLE STRIPS :

Grey and black standard colours. For other colours, please contact us.



### TYPICAL SPECIFICATION EXAMPLE

The supply and installation of 90 metres of C/S FRANCE SGP-200 joint cover.

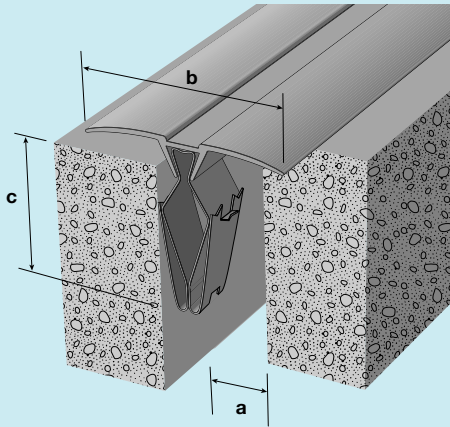
#### Specification complement :

The supply and installation of a "jointofeu" system adapted to the dimensions of the joint to be dealt with.  
Elements manufactured and supplied by  
C/S FRANCE  
1, rue de la Cressonnière, F. 27950 Saint-Marcel  
Phone : 00 33 (0)2 32 64 84 00 - Fax : 00 33 (0)2 32 64 84 12  
Websites : [www.cs-france.fr](http://www.cs-france.fr) - [www.c-sgroup.com](http://www.c-sgroup.com)  
E-mail : [export@cs-france.fr](mailto:export@cs-france.fr)



# WALL AND CEILING COVERS -

**FOR FACADE,  
WALL AND CEILING  
from 15 to 100 mm**



## USE

The "W" joint cover system is intended for interior or exterior wall and ceiling joints in continuity with those of the floor (see table opposite).

## DESCRIPTION

PVC, aluminium or brass extruded section with a dovetail enabling fastening by clips or by screws and pins for certain models.

## OPERATING CHARACTERISTICS

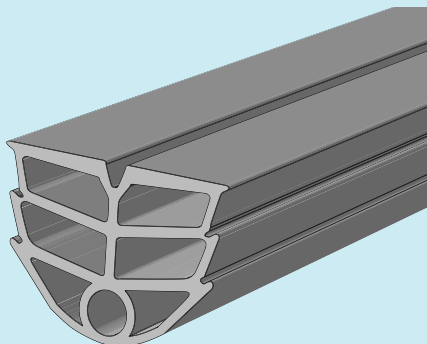
### FACADE FLAT JOINT COVER, ANGLED FACADES AND FLAT FLOORS

Width of the construction joint mm (a)	Section		Overlap width mm (b)	Fastening		Floor continuity see catalogue 02-B	
	Ref.	Material		Nbr of clips per 3 lm length	Ref.		
0 to 15	<b>W 30-P</b>	Dural	30	4	<b>15-35</b>	Glue*	
15 to 35	<b>W 50-P</b>	PVC	50	5	<b>15-35</b>	-	
		Dural Brass		4			
15 to 30	<b>W 60-P</b>	Dural laqué	60	4	<b>15-35</b>	-	
		Dural		4			
15 to 30	<b>W 50-A</b>	PVC	43	5	<b>15-35</b>	-	
		Dural	49	4			
		Brass	49	4			
35 to 50	<b>W 70-P</b>	PVC	70	5	<b>35-80</b>	W 70-P PVC	
		Dural		4			Dural
		Brass		4			Brass
35 to 50	<b>W 80-P</b>	Dural	80	4	<b>35-80</b>	-	
30 to 45	<b>W 70-A</b>	PVC	60	5	<b>35-80</b>	W 70-A Dural	
		Dural	60	4			Brass
		Brass					
35 to 70	<b>W 90-P</b>	Dural	90	4	<b>35-80</b>	W 90-P Dural	
		Dural	100				
40 to 60	<b>W 90-A</b>	Dural	73	4	<b>35-80</b>	W 90-A Dural	
35 to 80	<b>W 120-P</b>	Dural	120	10	Screws and pins	W 120-P Dural	
50 to 70	<b>W 120-P</b>	Dural	120	10	<b>35-80</b>	W 120-P Dural	
35 to 80	<b>W 140-P</b>	Dural	140	5	<b>35-80</b>	-	
80 to 100	<b>W 140-P</b>	Dural	140	5	Screws and pins	-	

\* Gluing possibilities (please contact us).

Please note for the references : P (flat) and A (angle)

# COMPRESSION SEALS FOR PLU



## OPERATING CHARACTERISTICS

SECTION REFERENCE			JOINT PLAY MINI-MAXI	JOINT MINIMUM DEPTH AT FITTING	PACKAGING
Black	Grey	Sand-coloured	In mm	In mm	In m
JD 16	JD 16	JD 16	8-12	25	50
JD 18	JD 18	JD 18	12-15	25	50
JD 25	JD 25	JD 25	15-20	30	50
JD 34	JD 34	JD 34	21-28	40	25
JD 42	JD 42	JD 42	26-34	45	25
Black			In mm	In mm	In m
JD 63			35-55	70	25
JD 83			60-72	90	25

\* Note : possibility of concrete adherence with the use of "JB glue".

Consumption from 10 to 30 g per metre according to type of section.

# W RIGID JOINT COVERS

## PHYSICAL AND CHEMICAL PROPERTIES

**EXTRUDED SECTION** : Flat or 90° angle type of 30, 50, 70, 90, 120, 140 mm.

- **PVC** : Compounds used comply with standard NFT 54.405. Vinylic based extruded section for outside use.

Flame resistant – M2 classification.

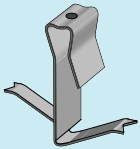
Colours: White – Grey – Sand-coloured – Brown

- **DURAL** : 6060 T5 alloy – class 15 colourless anodising (lacquering upon request)

- **BRASS** : CuZn40Pb 1 Al alloy – H industrial polishing.

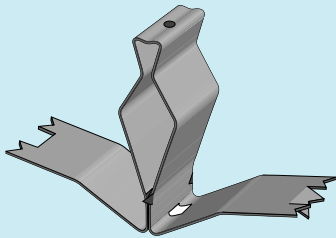
## CLIPS (dependent upon joint width)

### CLIP 15-35



for joint from 15 to 35 mm wide (a) minimum depth: 40 mm (c).

### CLIP 35-80



for joint from 35 to 80 mm wide (A) minimum depth: 60 mm (c).

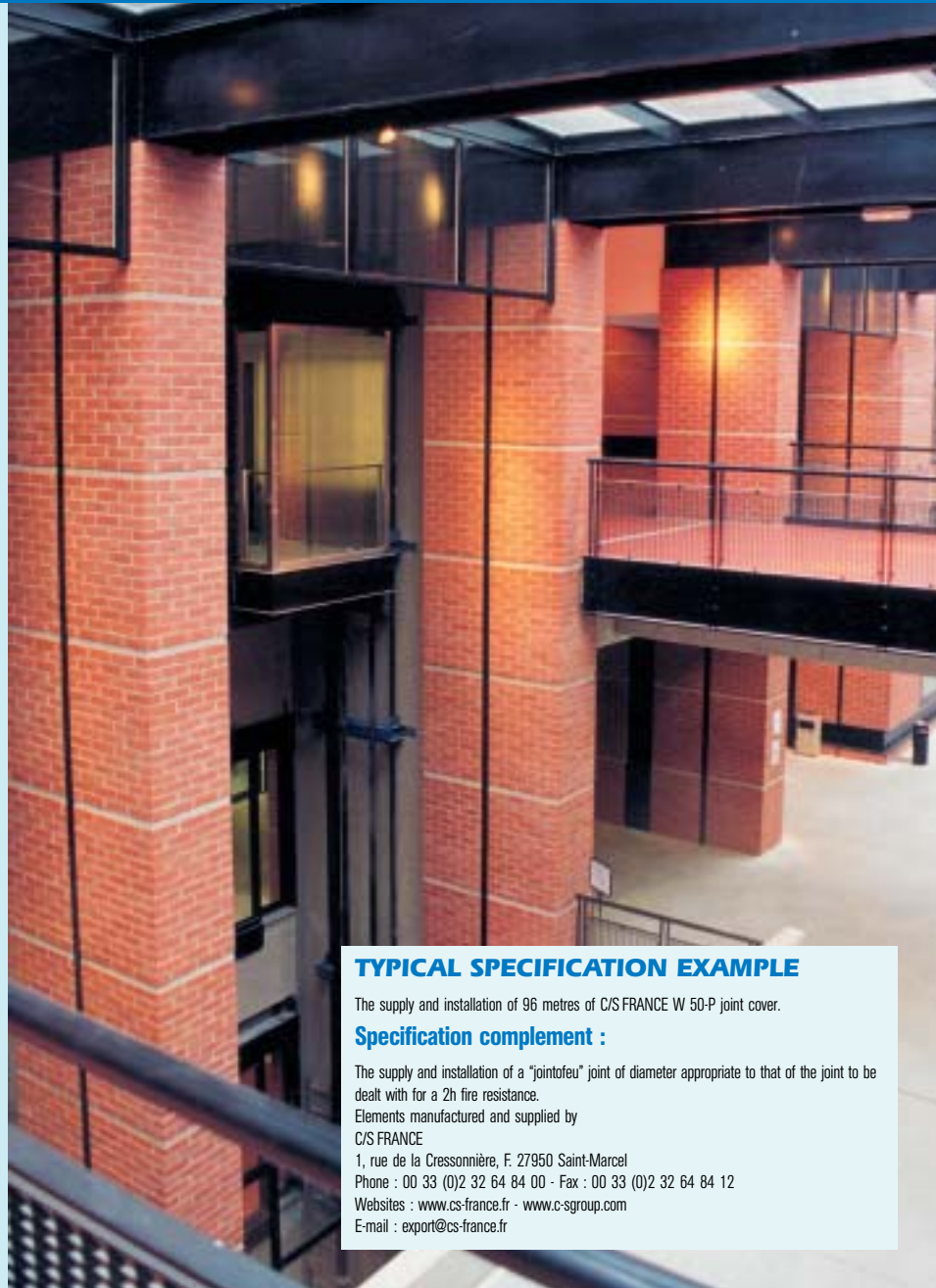
## PACKAGING

Standard sections :

- In 3 metre unit length with corresponding fastening accessories and alignment lugs :

Per package of 10 x 3 metres

- Fastening accessories (clips, screws + pins) : in indivisible packaging.



## TYPICAL SPECIFICATION EXAMPLE

The supply and installation of 96 metres of C/S FRANCE W 50-P joint cover.

### Specification complement :

The supply and installation of a "jointofeu" joint of diameter appropriate to that of the joint to be dealt with for a 2h fire resistance.

Elements manufactured and supplied by C/S FRANCE

1, rue de la Cressonnière, F. 27950 Saint-Marcel

Phone : 00 33 (0)2 32 64 84 00 - Fax : 00 33 (0)2 32 64 84 12

Websites : [www.cs-france.fr](http://www.cs-france.fr) - [www.c-sgroup.com](http://www.c-sgroup.com)

E-mail : [export@cs-france.fr](mailto:export@cs-france.fr)

# G G I N G

## USE

Covering and sealing of joints between exterior or interior building elements (concrete, steel, aluminium).

Replacement of old sealants for traditional or prefabricated construction.

## DESCRIPTION

Synthetic rubber extruded sections in compliance with NFP 85 301 standard\*.

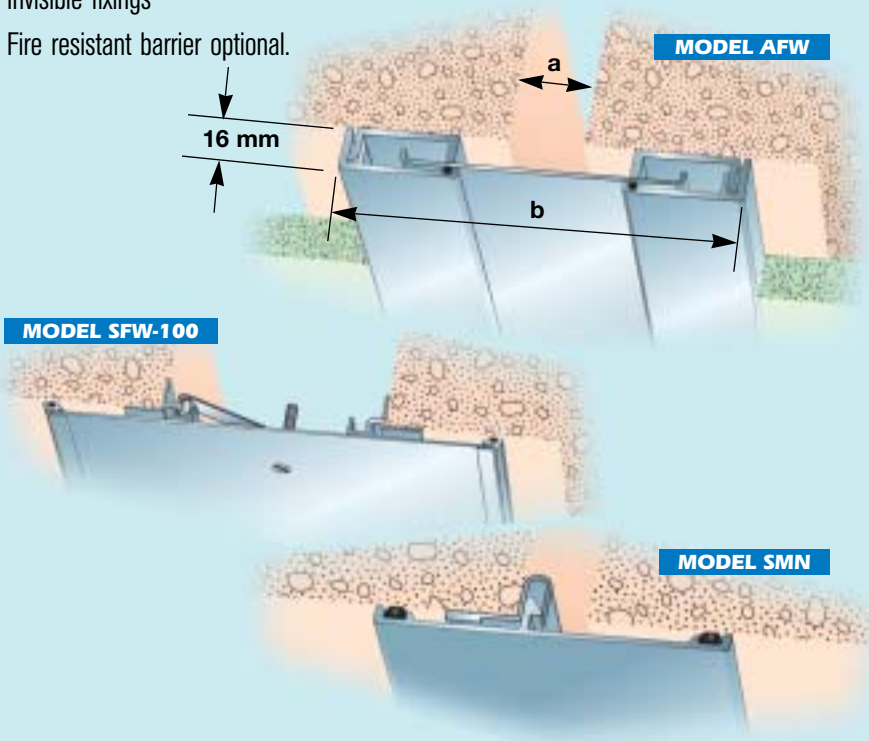
Colours: black, grey and sand-coloured.





# ALL METAL WALL AND CEILING

- Flush or surface finish.
- Mechanically assembled elements.
- Invisible fixings
- Fire resistant barrier optional.



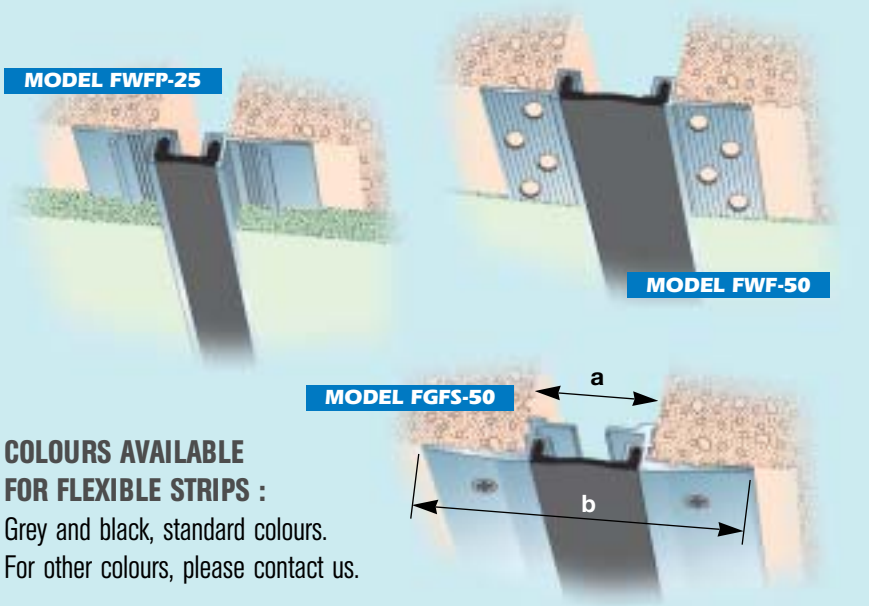
## FOR JOINTS from 20 to 250 mm on wall and ceiling

Type	a mm	b mm	Movement ± mm	Example of floor continuity
AFW-25	25	127	12	ALS-25
AFWC-25*	25	50	12	ALSW-25
SMN-25	25	127	12	ALS-25
SMCN-25*	25	75	12	ALSW-25
AFW-50	50	197	25	ALS-50
AFWC-50*	50	108	12	ALSW-50
SMN-50	50	197	25	ALS-50
SMCN-50*	50	124	25	ALSW-50
SFW-100	100	190	50	
SCW-100*	100	146	31	
SFW-150	150	300	76	
SCW-150*	150	230	38	
SFW-200	200	380	101	
SCW-200*	200	292	50	
SFW-250	250	455	127	
SCW-250*	250	355	63	

\*References for vertical corner joints.

# THINLINE SURFACE/FLUSH WALL AND

- Flush or surface finish. Multidirectional elasticity.
- Elastomer flexible strips resistant to oil, tar, and certain acids.
- 2 standard colours of gaskets.
- Easy to maintain smooth exposed surfaces.
- Fire resistant barrier, optional.
- No emission of chloride smoke in the event of fire.



## FOR JOINTS from 20 to 50 mm on wall and ceiling

Type	a mm	b mm	Movement ± mm	Example of floor continuity
FWF-20	20	22	4	GFPS 20
FWFC-20*	20	22	4	GFPSW 20
FWFP-20	20	22	4	GFPS 20
FWFPC-20*	20	22	4	GFPSW 20
FWF-25	25	27	6	GFPS 25
FWFC-25*	25	27	6	GFPSW 25
FWFP-25	25	27	6	GFPS 25
FWFPC-25*	25	27	6	GFPSW 25
FGFS-25	25	110	6	GFS 25
FGFSC-25*	25	67	6	GFPSW 25
FWF-50	50	52	12	GFT 50
FWFC-50*	50	52	12	GFTW 50
FWFP-50	50	52	12	GFPS 50
FWFPC-50*	50	52	12	GFPSW 50
FGFS-50	50	130	12	GFPS 50
FGFSC-50*	50	90	12	GFSW 50

\*References for vertical corner joints.

### COLOURS AVAILABLE FOR FLEXIBLE STRIPS :

Grey and black, standard colours.  
For other colours, please contact us.

# COVERS

## CHARACTERISTICS

THE ALL METAL joint cover system is intended for interior wall and ceiling joints, in continuity with those of the floor (see table opposite).

THE "SMN" models consist of a plate snapped on to a continuous aluminium frame (section delivered with fixings).

The "AFW" model consists of a central plate held by two covering sections which are themselves snapped on aluminium frames spaced out every 600 mm (section delivered with fixings).



# CEILING COVERS

## CHARACTERISTICS

The "THINLINE FLUSH" system is intended for exterior joints on wall and ceiling in continuity with those of the floor (see table opposite).

### MODEL WITHOUT RECESS

**FWF** : for walls or ceilings in plaster or concrete. Attach the aluminium frames and fill the recesses with a finishing compound.

**FWFC** : FWF complementary version for angle joints.

**FWFP** : For support with covering compound and projected plaster.

**FWFPC** : FWFPC complementary version for angle joints.

**FGFS** : Surface mounted on wall or finished ceiling. Attach the expansion cover joint to the final covering.

**FGFSC** : FGFSC complementary version for angle joints.



WALL/FLOOR JOINTING



# SEISMIC EXTERIOR WALL COVERS

Multidirectional elasticity.

Elastomer flexible strips resistant to oil, tar, and certain acids.

Anti-condensation membrane, optional.

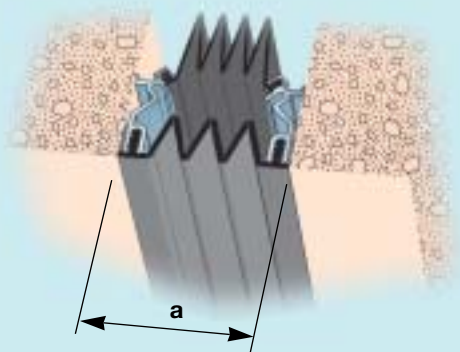
No emission of chloride smoke in the event of fire.

Heat welded weather tight transitions.

## CHARACTERISTICS

These joint covers are applied to the facades of very high buildings. They have been designed to compensate for oscillatory and rotational phenomena in addition to normal building expansion.

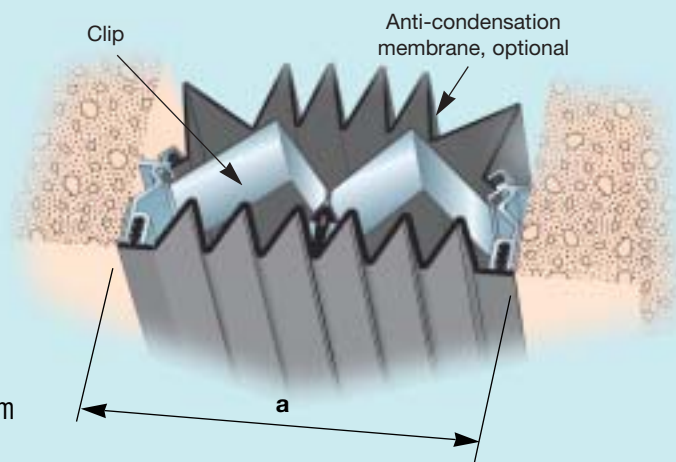
### MODEL SC-100/125



## EXPANSION JOINT from 50 to 400 mm on the exterior façade

Type	Joint width mm (a)	Movement ± mm
SC-50	50	25
SC-75	75	38
SC-100/125	100/125	63/88
SC-150/175	150/175	114/139
SC-200/225	200/225	165/190
SC-250/275	250/275	215/241

### MODEL SC-200/225



## DESCRIPTION

They consist of an elastomer section which snaps onto lateral aluminium frames.

For very wide joints, the rigidity of the whole is ensured by clips positioned every 600 mm behind the elastomer joint.

This system avoids anarchic deformations of the joint cover even in the case of movement of considerable magnitude.

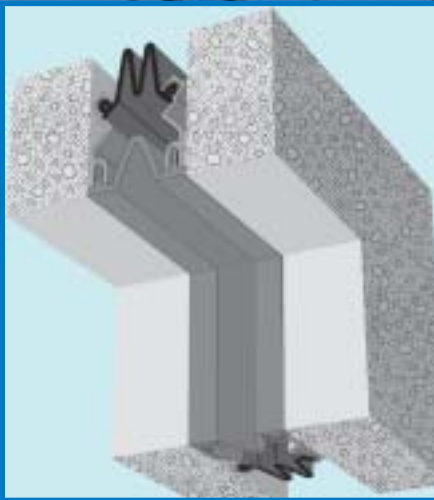
## FINISH

### COLOURS AVAILABLE FOR FLEXIBLE STRIPS :

Black, for other colours, please contact us.

The sections in primary aluminium are supplied with fastenings and pins for concrete support.

The clips are made of stainless steel.



### TYPICAL SPECIFICATION EXAMPLE

The supply and installation of 120 metres of C/S FRANCE SC-200 joint cover.

Elements manufactured and supplied by C/S FRANCE

1, rue de la Cressonnière

F. 27950 Saint-Marcel

Phone : 00 33 (0)2 32 64 84 00

Fax : 00 33 (0)2 32 64 84 12

Websites : [www.cs-france.fr](http://www.cs-france.fr)

[www.c-sgroup.com](http://www.c-sgroup.com)

E-mail : [export@cs-france.fr](mailto:export@cs-france.fr)





# JOINTODAL CONTRACTION DIVIDERS

Rigid PVC/flexible PVC bi-compound section.

Standard colours :

- Light grey, white
- Cream, old wood, translucent (flexible part)
- Other colours upon request.

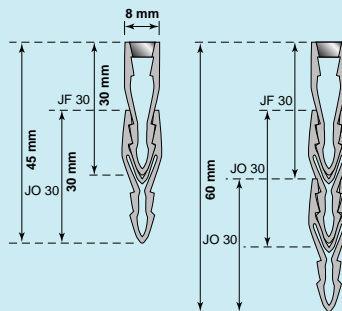
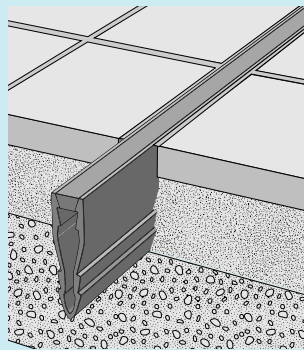
Behaviour in fire : flame resistant (classified M2).

Good resistance to oil, diluted acids, detergents.

Standard lengths 3,00 m



**FOR EMBEDDED COVERINGS**  
**JF 30, JO 30**



## USE

Resilient plugging of embedded coverings, and their screeds.

## DESCRIPTION

- **JF 30** (closed joint)

30 mm high rigid section including a flexible and deformable central zone.

Height 30 mm overall.

- **JO 30** (open joint)

Rigid section identical to JF 30 but not including flexible part.

JF 30 snaps onto JO 30 which makes it possible to obtain sections of 45, 60, and 75 mm etc.. to be obtained.

Rigid PVC/flexible PVC bi-compound section

Standard colour: grey

Other colours upon request.

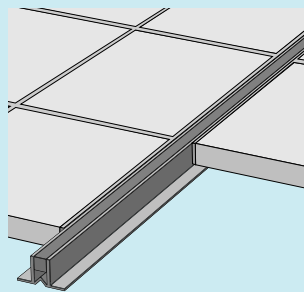
Behaviour in fire: flame resistant (classified M2).

Good resistance to oil, diluted acids, detergents.

Standard lengths 3,00 m



**FOR BONDED COVERINGS**  
**JF 8, JF 10, JF 12, JF 14, JF 16**



## USE

Resilient plugging of bonded coverings.

## DESCRIPTION

Rigid section of variable heights ( $h = 8, 10, 12, 14, 16$  mm)

including a flexible and deformable central zone.

PVC bi or mono compound section.

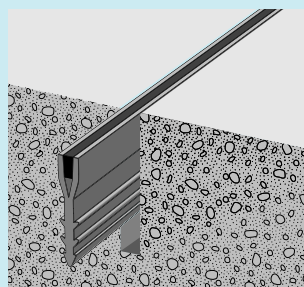
PVC/aluminium or brass exposed surface.

Standard lengths 3,00 m

Type	Blade thickness mm (a)	Sawing depth mm
JSI 2/20	2,4 to 2,8	30
JSI 4/20	3,2	30
JSI 5/20	3,8 to 4,0	30
JSI 6/27	6	30
JSI 6/30	6	35

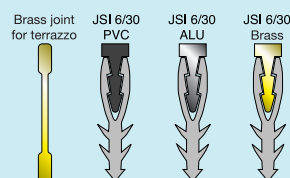


**FOR SAWN JOINTS**  
**JSI 2/20, JSI 4/20,**  
**JSI 5/20, JSI 6/27,**  
**JSI 6/30**



## DESCRIPTION

Rigid PVC section for the body and attachment vanes including, depending upon the type, a deformable part, an aluminium or brass snap clip section.



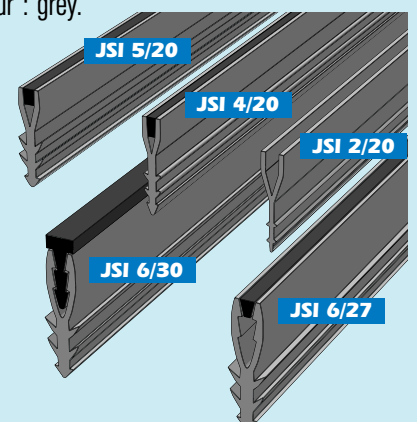
## PHYSICAL AND CHEMICAL PROPERTIES

**PVC** : Compounds used for the extrusion type approved section applicable to extruded vinilic based products for exterior and interior use.

Fire resistance : M2.

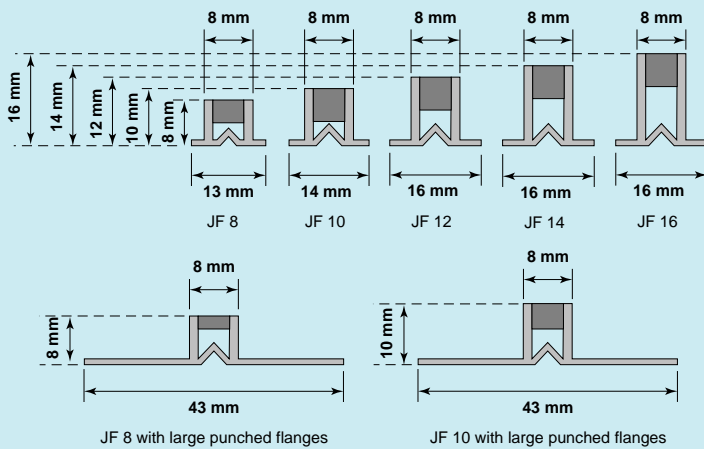
Good chemical resistance to oil, diluted acids, detergents.

Colour : grey.



## USE

Sections designed to fill contraction divide joints made by sawing in slabs.



The cover page was created with the architecture of the new ADP Terminal 2E from the Roissy Paris Airport.

Photographer from Jacques Trinquart productions.

Illustrations : C.MEDIA. January 2005.

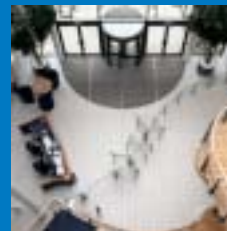
## Product Range

**C/S Acrovyn®**

Wall, corner and door protection

**C/S Stelatex®**

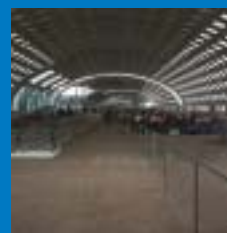
Industrial bumper guards

**C/S Pedisystems®**

Entrance flooring systems

**C/S Airfoil®**

Sun controls

**C/S Expansion joint covers**

Expansion joint covers, water and fire barriers

International sales office

**C/S FRANCE C/SGROUP**

1, rue de la Cressonnière

F-27950 Saint-Marcel

FRANCE

Tel. : +33 2 32 64 84 00

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E-mail : [export@cs-france.fr](mailto:export@cs-france.fr)

Web : [www.c-sgroup.com](http://www.c-sgroup.com)

[www.cs-france.fr](http://www.cs-france.fr)



International sales office

# CS FRANCE CSGROUP

1, rue de la Cressonnière  
F-27950 Saint-Marcel  
FRANCE  
Tel. : +33 2 32 64 84 00  
Fax : +33 2 32 64 84 12  
E-mail : [export@cs-france.fr](mailto:export@cs-france.fr)  
Web : [www.c-sgroup.com](http://www.c-sgroup.com)  
[www.cs-france.fr](http://www.cs-france.fr)



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