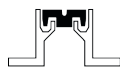
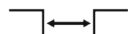




For seismic zone



Recess mounted



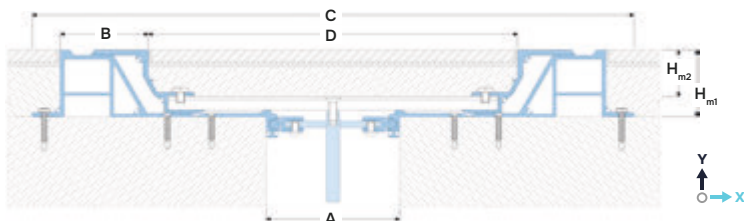
Joint width 50-1000 mm



Movements in 6 planes



Indoor/outdoor



### DESIGNATIONS:

- A – nominal joint width;
- B – visible width;
- C – full width (min mounting seat);
- D – internal visible width;
- H<sub>m1</sub> – installation height;
- H<sub>m2</sub> – depth of internal frame;
- M<sub>s</sub> – seismic movements;
- M<sub>x</sub> – horizontal movements;
- M<sub>y</sub> – vertical movements.

Profile	Sizes, mm						Movements, mm			Permissible loads (kN)			
	A <sup>1</sup>	B	C	D	H <sub>m1</sub>	H <sub>m2</sub>	M <sub>s</sub>	M <sub>x</sub>	M <sub>y</sub>				
SV 31/50/50	50	65	400	225 <sup>2</sup>	50, 75, 100	H <sub>m2</sub> = H <sub>m1</sub> - 18	50 (±25) <sup>3</sup>	50 (±25)	-5	50	100 <sup>5</sup>	50 <sup>5</sup>	5
SV 31/80/50	80	65	430	255 <sup>2</sup>			80 (±40) <sup>3</sup>	50 (±25)	-5	50	100 <sup>5</sup>	50 <sup>5</sup>	5
SV 31/100/50	100	65	450	275 <sup>2</sup>			100 (±50) <sup>3</sup>	50 (±25)	-7	50	100 <sup>5</sup>	50 <sup>5</sup>	5
SV 31/150/50	150	65	500	325 <sup>2</sup>			150 (±75) <sup>3</sup>	50 (±25)	-7	50	100 <sup>5</sup>	50 <sup>5</sup>	5
SV 31/200/50	200	65	550	375 <sup>2</sup>			200 (±100) <sup>3</sup>	50 (±25)	-7	50	100 <sup>5</sup>	50 <sup>5</sup>	5
SV 31/250/50	250 <sup>4</sup>	65	600	425 <sup>2</sup>			250 (±125) <sup>3</sup>	50 (±25)	-10	50 <sup>5</sup>	100 <sup>5</sup>	50 <sup>5</sup>	5 <sup>5</sup>
SV 31/300/50	300 <sup>4</sup>	65	650	475 <sup>2</sup>			300 (±150) <sup>3</sup>	50 (±25)	-10	50 <sup>5</sup>	100 <sup>5</sup>	50 <sup>5</sup>	5 <sup>5</sup>
SV 31/400/50	400 <sup>4</sup>	65	700	575 <sup>2</sup>			400 (±200) <sup>3</sup>	50 (±25)	-10	50 <sup>5</sup>	100 <sup>5</sup>	50 <sup>5</sup>	5 <sup>5</sup>
SV 31/500/50	500 <sup>4</sup>	65	750	675 <sup>2</sup>			500 (±250) <sup>3</sup>	50 (±25)	-10	50 <sup>5</sup>	100 <sup>5</sup>	50 <sup>5</sup>	5 <sup>5</sup>

<sup>1</sup> Standard expansion joint width shown. The profile can be made to the required width from 50 to 1000 mm.

<sup>2</sup> The width of the middle part can be changed to a larger side for ease of installation of the finish coat. This also changes the value of "C".

<sup>3</sup> M<sub>s</sub> – allowable movements occurring in the event of seismic activity.

<sup>4</sup> For joints with a width of more than 250 mm subject to loads, it is recommended to reinforce the screed, as well as order special reinforcing bars inserted into the corrugated base plate. Request more information.

<sup>5</sup> The profile can be used in places with the movement of warehouse and trucks. Calculations required, ask for details!

NOTE! Under heavy loads, cracking of the finish coating is possible.

## ▶ TECHNICAL DATA

### → PROFILE

Material	Aluminum EN AW 6063 T6 (T66 <sup>6</sup> )
Strength, MPa	σ <sub>b</sub> =205 (255 <sup>6</sup> )
Tolerances	EN 12020-2:2008
Tooling	Mounting holes
Fasteners	Included (Screws Rawlplug)
Surface coat	Mill finish <sup>7</sup>
Length, m	3,0

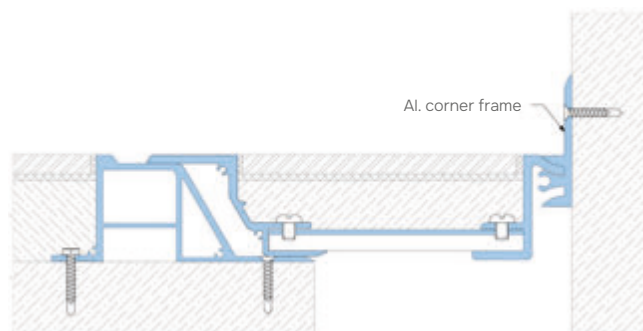
<sup>6</sup> For EU market.

<sup>7</sup> The profile can be optionally anodized, stainless steel or brass surface (see "ADDITIONAL OPTIONS" or ask for details).

## ▶ CORNER VERSION

All profiles have corner versions for floor-to-wall connections (joint along the wall). These profiles have an "E" index: SV-E.

Example: SV-E 31/100/50



## ▶ LABELING

(example)

Profile Series:  
SV 31 – standard version  
SV-E 31 (marked if required – see “Corner version”)

Joint Width      Profile Height

**SV 31 / 250 / 50 / Rebar**

Rebar designation, if applicable

## ▶ EQUIPMENT PROFILE

Al. Internal frame

Sealant (by others)

Steel centering bar (7 pcs per profile @400 mm)

Al. centering bar frame

Countersunk screw (10 pcs per frame @300 mm)



Al. Corrugated base plate



Type of corrugated base plate

Al. External frame

## ▶ EXECUTION OPTIONS



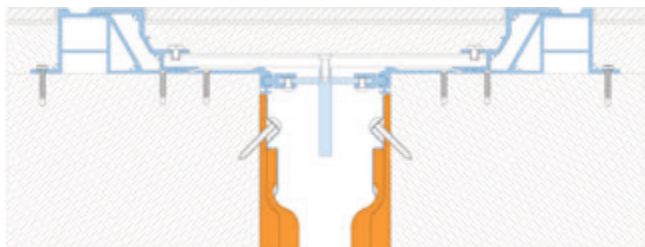
Using a vapor barrier for waterproofing an expansion joint.



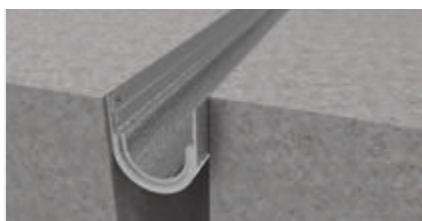
Vapor barrier  
(Optional – DUALLINE Flex)



Use of a fire barrier with a fire resistance rating of up to EI 240.



Firebarrier  
(Optional – DUALLINE FireBlanket)

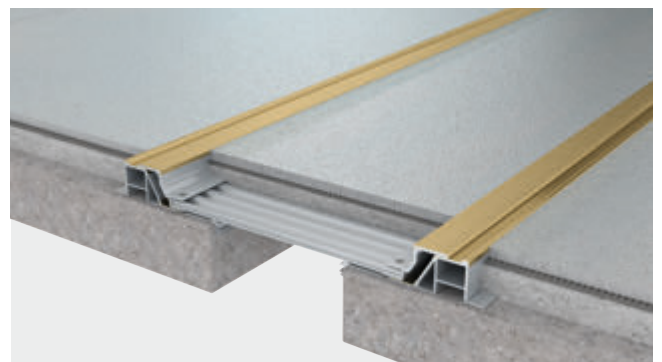


## ▶ ADDITIONAL OPTIONS

For the satisfaction of architects and designers, the profile can be produced with additional cover plates in stain-less steel or brass for greater aesthetics. See “Stainless steel surface finish” and “Brass surface finish”.



SV 31/SS



SV 31/BR