DEWMARK STANDART
SV 31

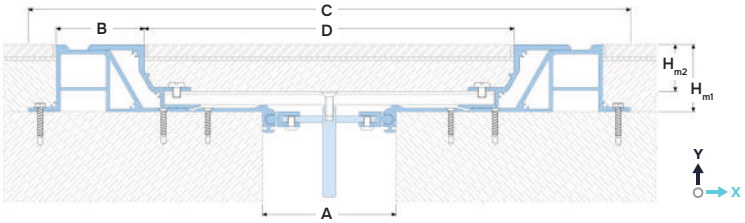
For seismic zone

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_{m1} – installation height;
H_{m2} – depth of internal frame;
M_s – seismic movements;
M_x – horizontal movements;
M_y – vertical movements.

Profile	Sizes, mm						Movements, mm			Permissible loads (kN)			
	A[1]	B	C	D	H_{m1}	H_{m2}	M_s	M_x	M_y				
SV 31/50/50	50	65	400	225[2]	50, 75, 100	H_{m2}= H_{m1}-18	50 (±25)[3]	50 (±25)	-5	50	100[5]	50[5]	5
SV 31/80/50	80	65	430	255[2]			80 (±40)[3]	50 (±25)	-5	50	100[5]	50[5]	5
SV 31/100/50	100	65	450	275[2]			100 (±50)[3]	50 (±25)	-7	50	100[5]	50[5]	5
SV 31/150/50	150	65	500	325[2]			150 (±75)[3]	50 (±25)	-7	50	100[5]	50[5]	5
SV 31/200/50	200	65	550	375[2]			200 (±100)[3]	50 (±25)	-7	50	100[5]	50[5]	5
SV 31/250/50	250[4]	65	600	425[2]			250 (±125)[3]	50 (±25)	-10	50[5]	100[5]	50[5]	5[5]
SV 31/300/50	300[4]	65	650	475[2]			300 (±150)[3]	50 (±25)	-10	50[5]	100[5]	50[5]	5[5]
SV 31/400/50	400[4]	65	700	575[2]			400 (±200)[3]	50 (±25)	-10	50[5]	100[5]	50[5]	5[5]
SV 31/500/50	500[4]	65	750	675[2]			500 (±250)[3]	50 (±25)	-10	50[5]	100[5]	50[5]	5[5]

[1] Standard expansion joint width shown. The profile can be made to the required width from 50 to 1000 mm.
[2] 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".
[3] M_s – allowable movements occurring in the event of seismic activity.
[4] 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.
[5] 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

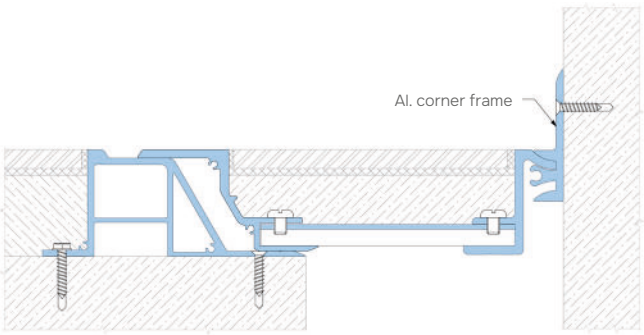
Material	Aluminum EN AW 6063 T6 (T66[6])
Strength, MPa	$\sigma_в$=205 (255[6])
Tolerances	EN 12020-2:2008
Tooling	Mounting holes
Fasteners	Included (Screws Rawlplug)
Surface coat	Mill finish[7]
Length, m	3,0

[6] For EU market.
[7] 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”)

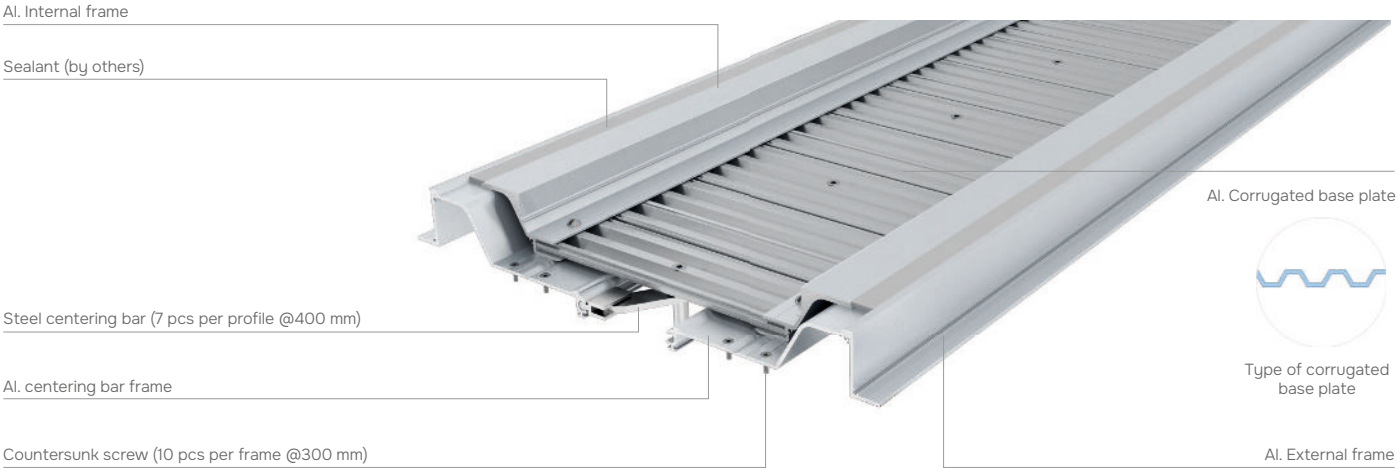
Joint Width

Profile Height

Rebar designation, if applicable

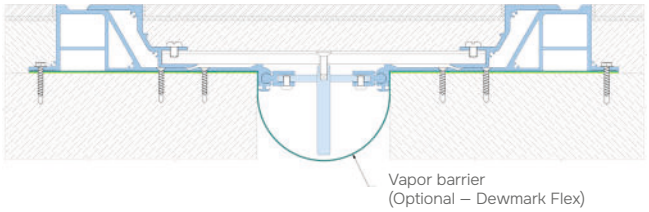
SV 31 / 250 / 50 / Rebar

EQUIPMENT PROFILE

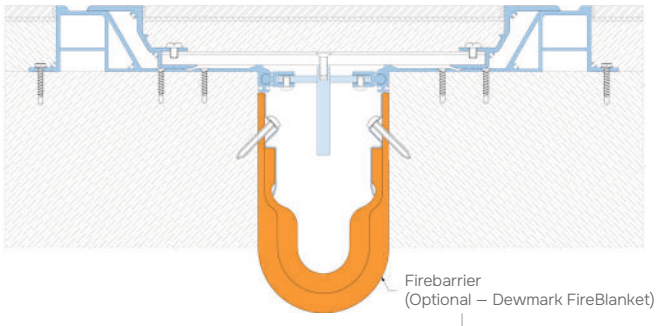


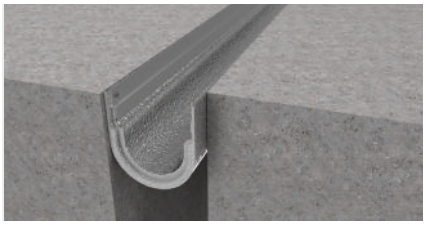
EXECUTION OPTIONS

Using a vapor barrier for waterproofing an expansion joint.



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

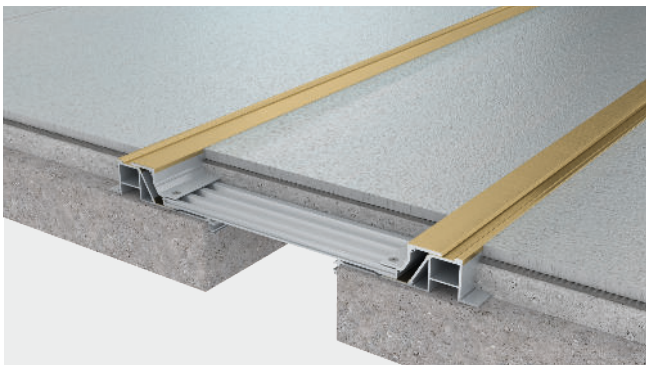




ADDITIONAL OPTIONS

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

SV 31/SS



SV 31/BR