DEWMARK METALL
SG 81

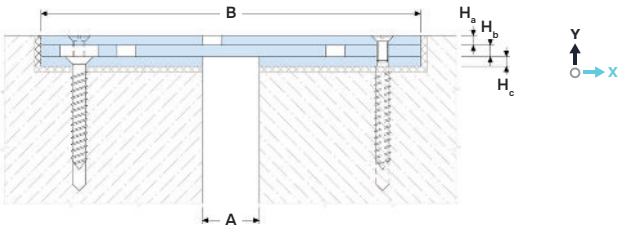
Max load 600 kN

Recess mounted

Joint width 20-150 mm

Movements in 2 directions

Indoor/ outdoor



DESIGNATIONS:

A – nominal joint width;
B – visible width;
H_p – layer thickness “a”;
H_b – layer thickness “b”;
H_c – layer thickness “c”;
M_x – horizontal movements;
M_y – vertical movements.

Profile	Standard options[1] (abc)	Sizes, mm		Layer thickness[2] (мм)			Movements[3], mm		Permissible loads (kN)		
		A	B	H_a	H_b	H_c	M_x	M_y[4]			
SG 81/20-190/15	BBB, HBB, HHB, 3BB, 33B, 333, AAA, 3AA, 33A	20	190	5	5	5	30 (+15/-15)	–	600	300	150
SG 81/30-200/15		30	200	5	5	5	30 (+15/-15)	–	600	300	150
SG 81/50-220/15		50	220	5	5	5	30 (+15/-15)	–	600	300	150
SG 81/80-260/19	BBB, HBB, HHB, 3BB, 33B, 333	80	260	5	6	8	30 (+15/-15)	–	600	300	150
SG 81/100-280/21		100	280	5	8	8	30 (+15/-15)	–	600	300	150
SG 81/120-320/23		120	320	5	8	10	30 (+15/-15)	–	600	300	150
SG 81/150-350/25		150	350	5	10	10	30 (+15/-15)	–	600	300	150

[1] The profile is made to order from different materials of the components of the profile layers a, b and c (see technical data):
• B – Steel S235 with powder coating;
• H – Steel S235 with hot dip galvanized[8];
• 3 – Stainless steel 1.4301 (AISI 304)[9];
• A - Aluminium EN AW 6063 T66

[2] Standard layer thicknesses are indicated. On request, the layers can be made in other thicknesses.
[3] Standard movements limits are given. On request, the profile is produced with other movements limits - ask for data.
[4] Vertical movements are not allowed.

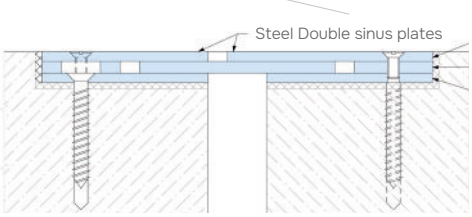
TECHNICAL DATA

Material[9]	S235 (1.0038)	AISI 304 (1.4301)
Strength, MPa	$\sigma_в$=360-510	$\sigma_в$=515
Tolerances	EN 1090-2	
Length, m	3,0[5]	
Tooling	Mounting holes	
Fasteners	Included (Screws Rawlplug R-LX)	
Surface coat	• Powder[7] • Galvanized[8]	Without coating

[5] Profile length can be changed upon request.
[6] The profile is supplied assembled, using mounting brackets, to the required width of the expansion joint. Kit includes RAWL-PLUG R-LX high strength concrete screws and DIN 7991 A2 stainless steel mounting screws.
[7] Powder coated in any RAL color.
[8] Hot dip galvanizing according to EN 1461.
[9] The material of the layers can be changed to other types of steel: AISI 316, 321, 430, etc.

EQUIPMENT PROFILE

Steel Double sinus plates



EXECUTION OPTIONS