Rjukan aluminium spacer profiles

Manufacture:

Rjukan Metall (a, b)
Maskin og Profil A/S Svadde
Industriområde N-3660
Norge

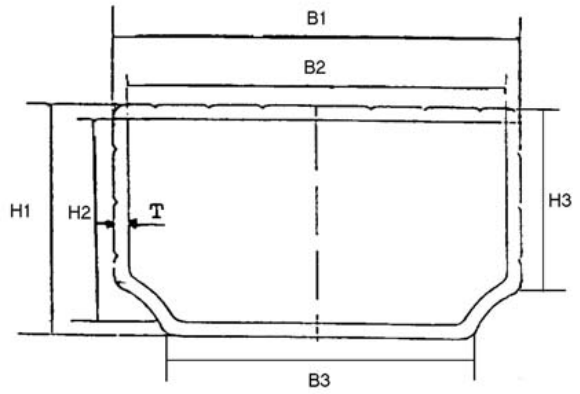
Material data:

When modelling the profiles following material data has been used:

Materials	λ in W/m^2K
Aluminium	160*
Dessicant	0.13*
Butyl	0.24*
Polysulfide	0.40*

*Materials for which the manufacture has not specified exact material data, values from prEN ISO 10077-2 has been used:

Normal spacers:



Calculations on the spacers has been performed using 0.3 mm butyl rubber along both sides of the spacer and 3 mm polysulfide along the lower part of the spacer.

Profile id.	Dimensions (With butyl & polysulfide) d×h (mm)	H1 (mm)	H2 (mm)	H3 (mm)	B1 (mm)	B2 (mm)	B3 (mm)	Equivalent thermal conductivity [W/mK]		L value [W/mK]
								Old method	New method	New method
Rjukan 5.5	6.1×9.6	6.5	5.78	5	5.5	4.78	3	1.35	1.68	2.62
Rjukan 7.5	8.1×9.6	6.5	5.78	5	7.5	6.78	3	1.67	2.07	2.43
Rjukan 8.5	9.1×9.6	6.5	5.78	5	8.5	7.78	4	1.83	2.24	2.34
Rjukan 9.5	10.1×9.6	6.5	5.78	5	9.5	8.78	5	2.00	2.42	2.28
Rjukan 11.5	12.1×9.6	6.5	5.78	5	11.5	10.78	7	2.31	2.72	2.14
Rjukan 13.5	14.1×9.6	6.5	5.78	5	13.5	12.78	9	2.61	3.04	2.05
Rjukan 14.5	15.1×9.6	6.5	5.78	5	14.5	13.78	10	2.75	3.17	1.99
Rjukan 15.5	16.1×9.6	6.5	5.78	5	15.5	14.78	11	2.89	3.34	1.97
Rjukan 17.5	18.1×9.6	6.5	5.78	5	17.5	16.78	13	3.16	3.61	1.89
Rjukan 19.5	20.1×9.6	6.5	5.78	5	19.5	18.78	15	3.41	3.91	1.85