

## Energy labelling data for Rolltech – Chromatech Plus spacer profiles

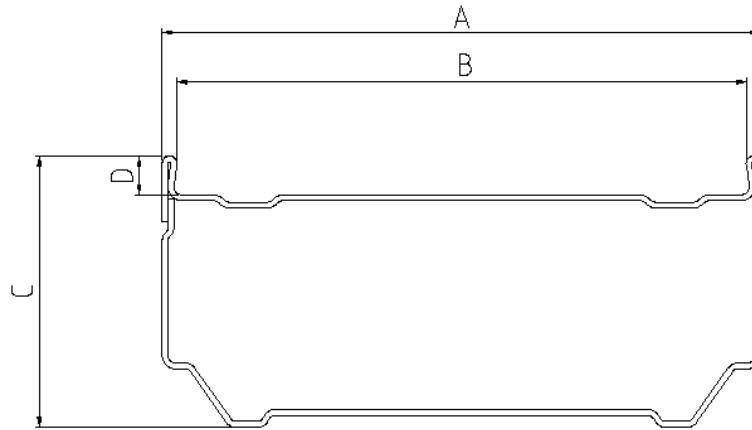
### Material data:

When modelling the profiles the following material data has been used:

Materials	$\lambda$ in W/m <sup>2</sup> K
Butyl	0.24*
Desiccant	0.13*
Polysulfide	0.40*
Stainless steel	14.3

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

### Normal spacers:



Material thickness of the stainless steel is  $d = 0.15$  mm. 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)	A (mm)	B (mm)	C (mm)	D (mm)	Equivalent thermal conductivity	L-value
						[W/mK]	[W/mK]
Chromatech Plus 10	10.1×10.0	9.5	9.2	7.0	1.0	0.59	0.59
Chromatech Plus 12	12.1×10.0	11.5	11.2	7.0	1.0	0.60	0.50
Chromatech Plus 14	14.1×10.0	13.5	13.2	7.0	1.0	0.60	0.43
Chromatech Plus 15	15.1×10.0	14.5	14.2	7.0	1.0	0.60	0.40
Chromatech Plus 16	16.1×10.0	15.5	15.2	7.0	1.0	0.61	0.38
Chromatech Plus 18	18.1×10.0	17.5	17.2	7.0	1.0	0.61	0.34
Chromatech Plus 20	20.1×10.0	19.5	19.2	7.0	1.0	0.61	0.31