

Thermix TX.N spacer profiles

Manufacturer:

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Germany

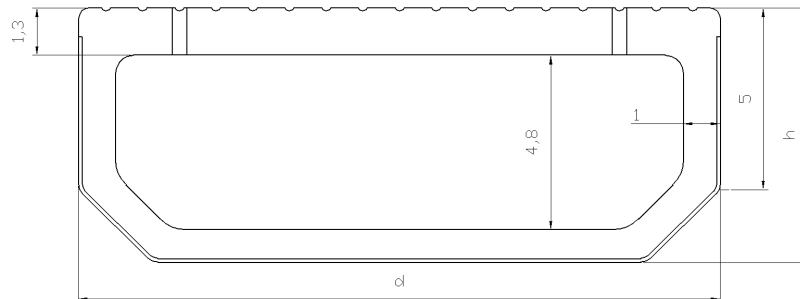
Material data:

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

Materials	Thermal conductivity in W/m·K
Tecatherm PP (GF)	0,23
Stainless steel	14,6
Desiccant*	0,10
Butyl*	0,24
Polysulphide*	0,40

* The manufacturer has not specified the exact material data – material data from EN ISO 10077-2 has been used instead.

Normal spacers:



The calculations have been performed using 0.3 mm butyl rubber along both sides of the spacer and 3 mm polysulphide along the lower part of the spacer. For each profile dimension the U-factor of the insulating glass unit has been set at 1.2 W/m²·K.

Profile id.	Dimensions (with butyl & polysulphide) d x h	d	h	Equivalent thermal conductivity	L-value
	[mm] × [mm]	[mm]	[mm]	[W/m·K]	[W/m·K]
Thermix TX.N 8 mm	8.1 × 10.0	7.5	7.0	0.331	0.41
Thermix TX.N 10 mm	10.1 × 10.0	9.5	7.0	0.335	0.33
Thermix TX.N 12 mm	12.1 × 10.0	11.5	7.0	0.338	0.28
Thermix TX.N 14 mm	14.1 × 10.0	13.5	7.0	0.341	0.24
Thermix TX.N 16 mm	16.1 × 10.0	15.5	7.0	0.343	0.21
Thermix TX.N 18 mm	18.1 × 10.0	17.5	7.0	0.344	0.19
Thermix TX.N 20 mm	20.1 × 10.0	18.5	7.0	0.345	0.17