GRAPHICS

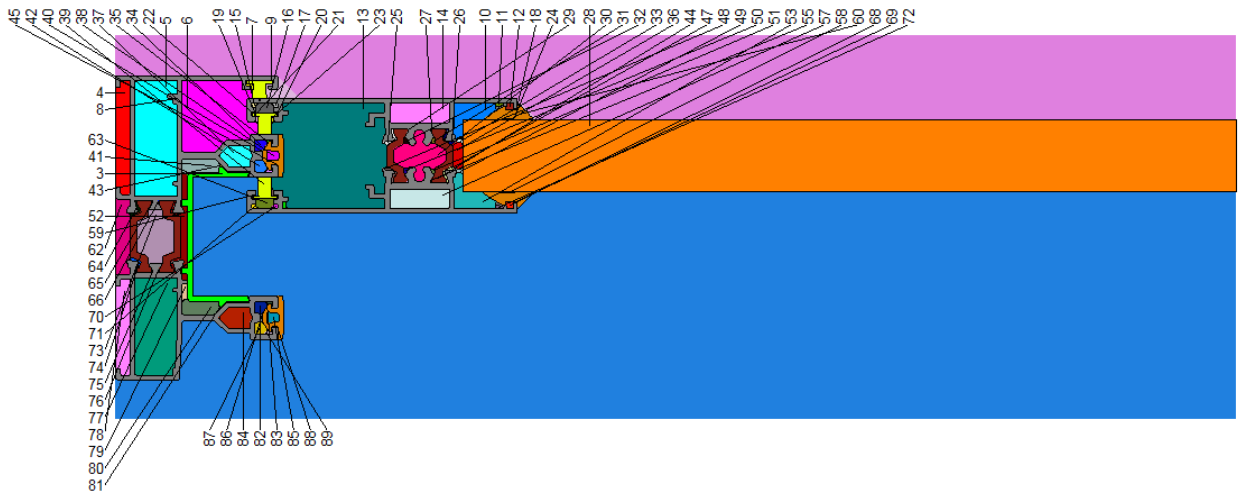

Figure 1. Frame section (with colour numbers)

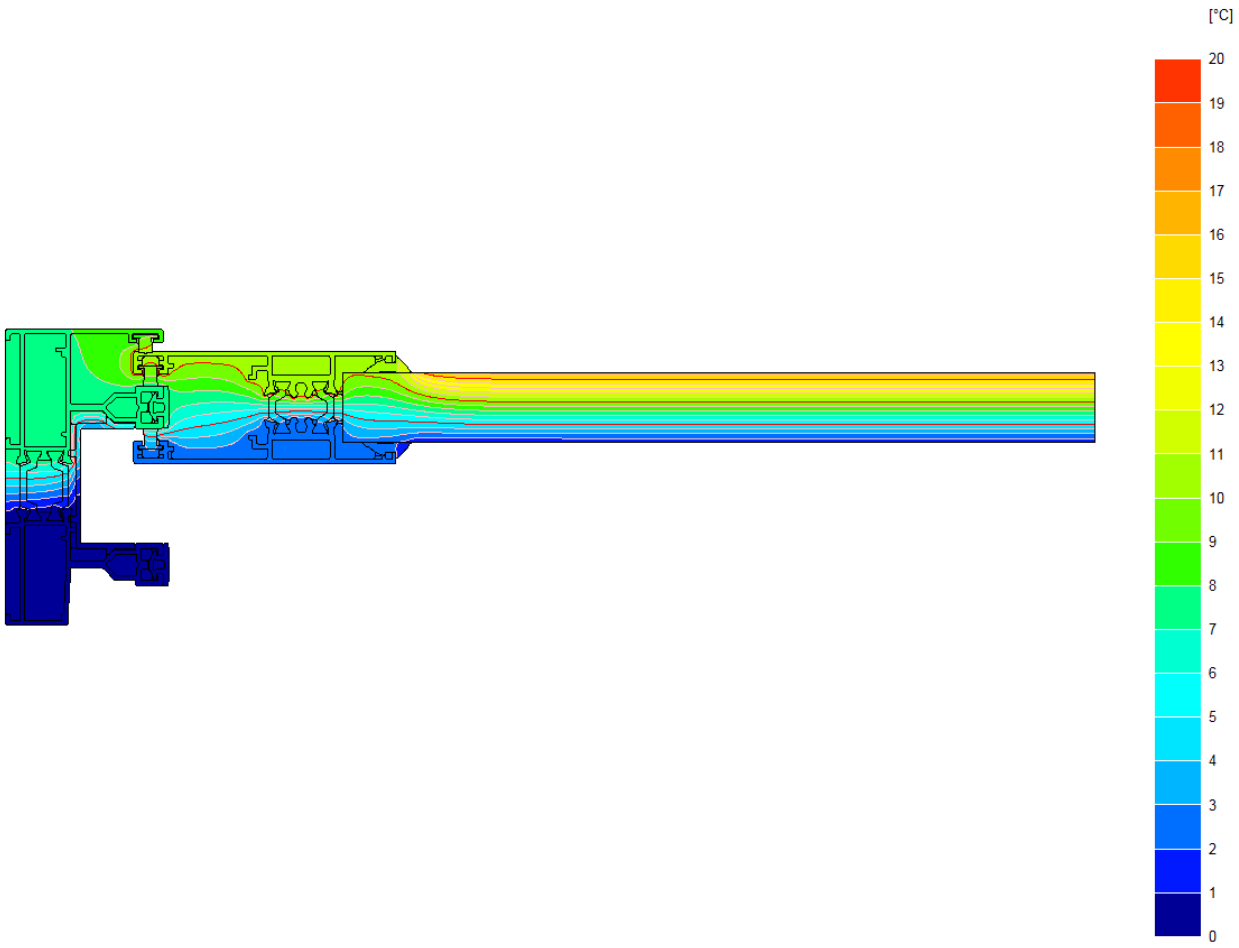

Figure 2. Isotherms (colour increment of 1°C, line increments of 1°C and 5°C)

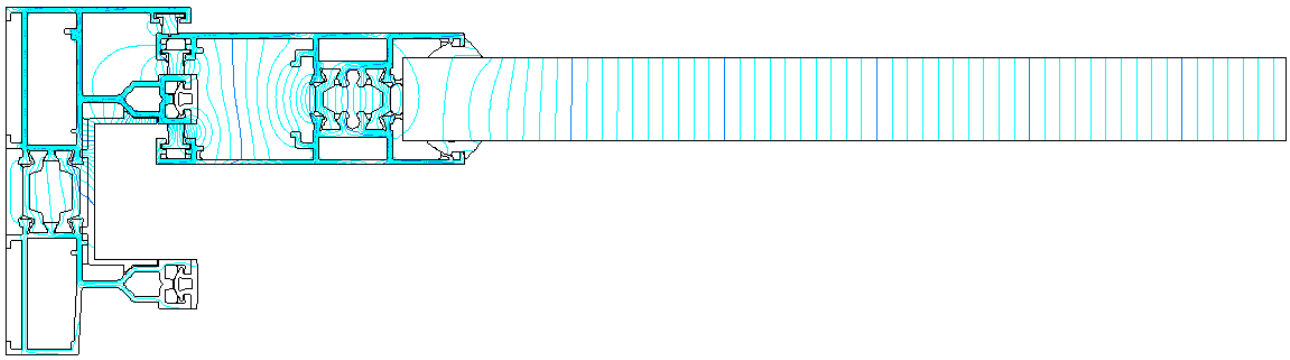

Figure 3. Heat flow lines (increment 0.1 W/m).

BISCO DATA SUMMARY

BISCO data file name	**bisco_temp.tif.bsc**
Bitmap file name	**bisco_temp.tif.bmp**
Pixel width	**0.0001 m**
Triangulation size	**5 pixels**
Number of nodes	**41847**

Material thermal conductivity table

Col.	Name	lambda [W/mK]	eps [-]
3	PVC rigid	0.170	
8	aluminium	160.000	
28	insulation	0.035	
39	polypropyl.sol.	0.220	
44	polyamid reinf.	0.300	
60	EPDM	0.250	

Boundary condition table

Col.	Name	t [-C]	h [W/m²K]	q [W/m²]
170	exterior	0.0	25.00	0
174	interior (normal)	20.0	7.70	0
182	interior (reduced)	20.0	5.00	0

Cavity equivalent thermal conductivity table

Col.	lambda [W/mK]	Col.	lambda [W/mK]	Col.	lambda [W/mK]	Col.	lambda [W/mK]
4	0.093	5	0.102	6	0.081	7	0.029
9	0.026	10	0.048	11	0.030	12	0.031
13	0.121	14	0.045	15	0.028	16	0.033
17	0.029	18	0.026	19	0.025	20	0.027
21	0.027	22	0.028	23	0.028	24	0.026
25	0.031	26	0.031	27	0.026	29	0.026
30	0.054	31	0.029	32	0.029	33	0.029
34	0.034	35	0.029	36	0.042	37	0.042
38	0.033	40	0.027	41	0.038	42	0.034
43	0.028	45	0.025	46	0.029	47	0.031
48	0.031	49	0.029	50	0.028	51	0.028
52	0.036	53	0.046	54	0.026	55	0.026
56	0.028	57	0.043	58	0.026	59	0.026
61	0.027	62	0.070	63	0.033	64	0.031
65	0.026	66	0.026	67	0.028	68	0.030
69	0.026	70	0.028	71	0.029	72	0.030
73	0.060	74	0.031	75	0.026	76	0.026
77	0.062	78	0.078	79	0.030	80	0.037
81	0.027	82	0.033	83	0.028	84	0.046
85	0.033	86	0.026	87	0.033	88	0.025
89	0.028						

BISCO MAIN RESULTS

U-value of frame	**4.593 W/(m^2.K)**
Width of frame	**0.1114 m**
U-value of panel 1	**1.349 W/(m^2.K)**
Width of panel 1	**0.1997 m**

Frame thermal transmittance calculation table

```
Thermal transmittance of frame (EN 10077-2)
Uf = (Q/(ti-te) - Up1*wp1 - Up2*wp2) / wf = 4.593 W/(m².K)
  Q = 15.621 W/m
  ti = 20.00°C
  te = 0.00°C
  Up1 = 1.349 W/(m².K)  (right edge of bitmap)
  wp1 = 0.1997 m        (distance no. 2)
  Up2 = 0.000 W/(m².K)
  wp2 = 0.0000 m
  wf = 0.1114 m         (distance no. 1)
```