GRAPHICS

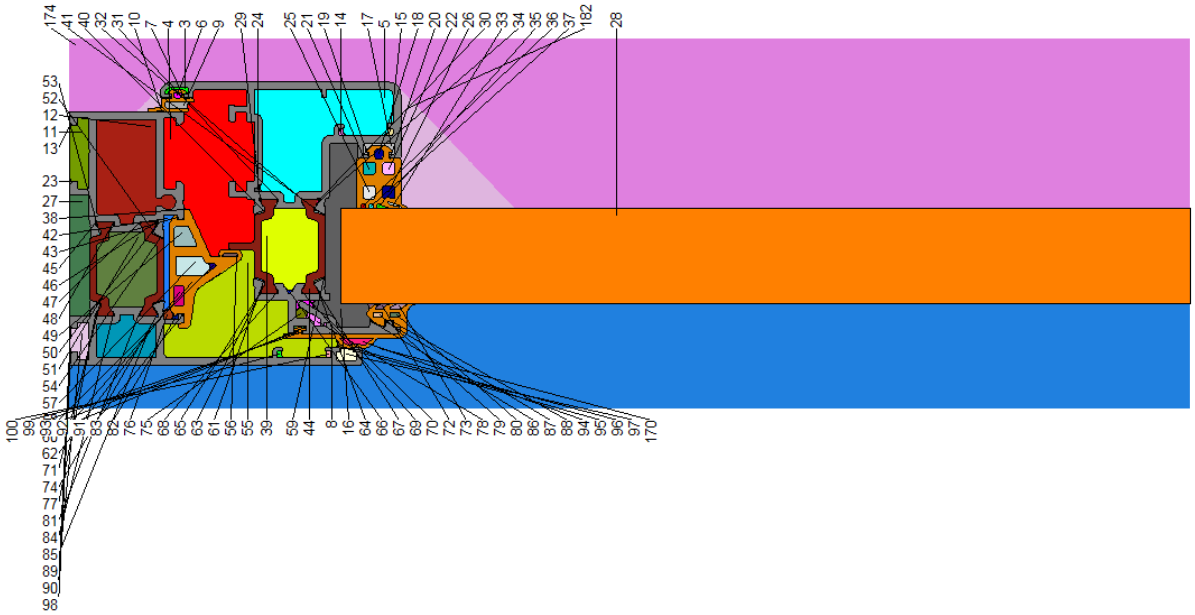

Figure 1. Frame section (with colour numbers)

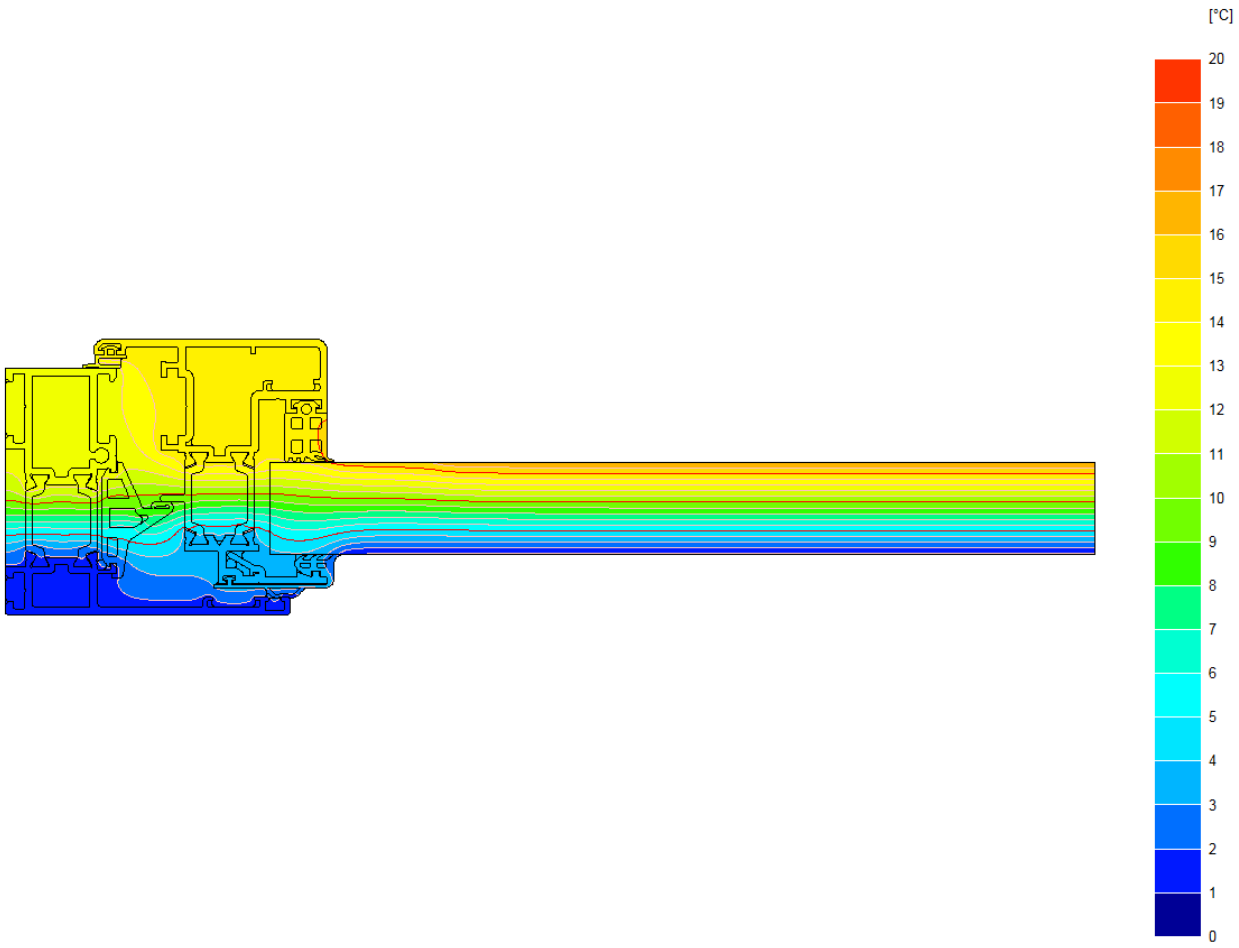

Figure 2. Isotherms (colour increment of 1°C, line increments of 1°C and 5°C)

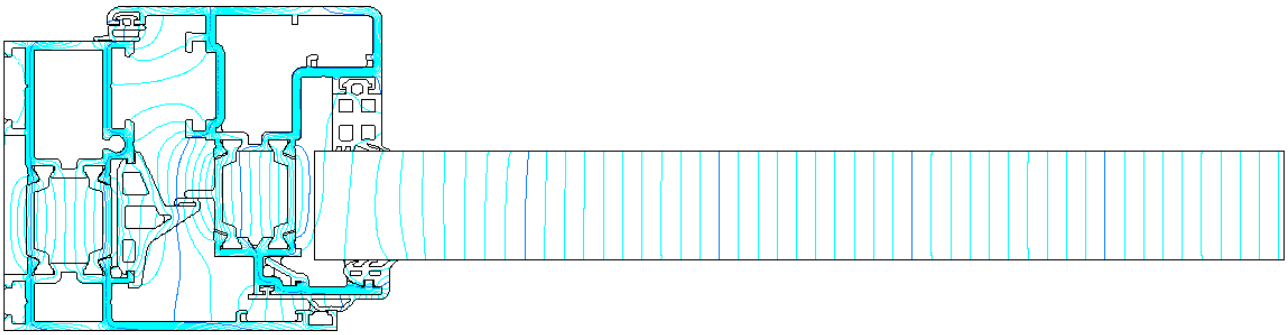

Figure 3. Heat flow lines (increment 0.1 W/m).

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	**49631**

Material thermal conductivity table

Col.	Name	lambda [W/mK]	eps [-]
8	aluminium	160.000	
28	insulation	0.035	
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]
3	0.030	4	0.143	5	0.097	6	0.030
7	0.026	9	0.031	10	0.026	11	0.066
12	0.090	13	0.028	14	0.030	15	0.030
16	0.120	17	0.038	18	0.032	19	0.026
20	0.026	21	0.034	22	0.034	23	0.028
24	0.029	25	0.035	26	0.034	27	0.113
29	0.027	30	0.027	31	0.026	32	0.025
33	0.028	34	0.026	35	0.028	36	0.028
37	0.028	38	0.026	39	0.082	40	0.028
41	0.028	42	0.053	43	0.026	45	0.028
46	0.027	47	0.026	48	0.025	49	0.039
50	0.026	51	0.078	52	0.026	53	0.026
54	0.025	55	0.086	56	0.028	57	0.040
58	0.029	59	0.028	61	0.028	62	0.037
63	0.025	64	0.026	65	0.027	66	0.027
67	0.027	68	0.026	69	0.025	70	0.030
71	0.026	72	0.029	73	0.034	74	0.027
75	0.032	76	0.031	77	0.027	78	0.032
79	0.031	80	0.031	81	0.026	82	0.028
83	0.027	84	0.025	85	0.054	86	0.027
87	0.027	88	0.026	89	0.045	90	0.027
91	0.028	92	0.027	93	0.026	94	0.030
95	0.029	96	0.026	97	0.034	98	0.027
99	0.029	100	0.029				

BISCO MAIN RESULTS

U-value of frame	**2.840 W/(m^2.K)**
Width of frame	**0.0837 m**
U-value of panel 1	**1.173 W/(m^2.K)**
Width of panel 1	**0.1994 m**

Frame thermal transmittance calculation table

```
Thermal transmittance of frame (EN 10077-2)
Uf = (Q/(ti-te) - Up1*wp1 - Up2*wp2) / wf = 2.840 W/(m².K)
  Q = 9.431 W/m
  ti = 20.00°C
  te = 0.00°C
  Up1 = 1.173 W/(m².K)  (right edge of bitmap)
  wp1 = 0.1994 m        (distance no. 2)
  Up2 = 0.000 W/(m².K)
  wp2 = 0.0000 m
  wf = 0.0837 m         (distance no. 1)
```