Assembly no.

13ud	**Petflap, without exposed acrylic, assume all stainless**	this is accounting

Heat transmission resistance [m²K/W]

tation of building element	**2-Wall**	interior R_{si}	0.13
Adjacent to	**1-Outdoor air**	exterior R_{se}:	0.04

Area section 1	λ [W/(mK)]	Area section 2 (o	λ [W/(mK)]	Area section 3 (o	λ [W/(mK)]
ABS	**0.180**				
EPDM	**0.035**				
Stainless steel	**17.000**	**Acrylic**	**0.200**		
EPDM	**0.035**				
ABS	**0.180**				

Percentage of sec. 1	Percentage of sec. 2	Percentage of sec. 3
81%	**19.0%**	

U-value: **3.796** W/(m²K)

Assembly no.

14ud	**Petflap, exposed acrylic**

Heat transmission resistance [m²K/W]

tation of building element	**1-Roof**	interior R_{si}	0.10
Adjacent to	**1-Outdoor air**	exterior R_{se}:	0.04

Area section 1	λ [W/(mK)]	Area section 2 (o	λ [W/(mK)]	Area section 3 (o	λ [W/(mK)]
Acrylic	**0.200**				

Percentage of sec. 1	Percentage of sec. 2	Percentage of sec. 3
100%		

U-value: **5.882** W/(m²K)

	U-value W/(m²K)	Area cm²
Petflap, without exposed acrylic, all stainless	**3.792**	**286.99**
Petflap, exposed acrylic	**5.882**	**28.27**

Mean U-value:	**3.979**

for the parts where ASB and EPDM are overlapping the acrylic

Thickness [mm]
3
1
6
1
3

Total

1.4 cm

Thickness [mm]
6

Total

0.6 cm