



GLAZETECH - SYSTEM SOLUTION PROVIDERS



SLIDING SERIES

• **AEROSLIM** - SLIM SLIDE SYSTEM

 GLAZETECH®
SYSTEM SOLUTIONS



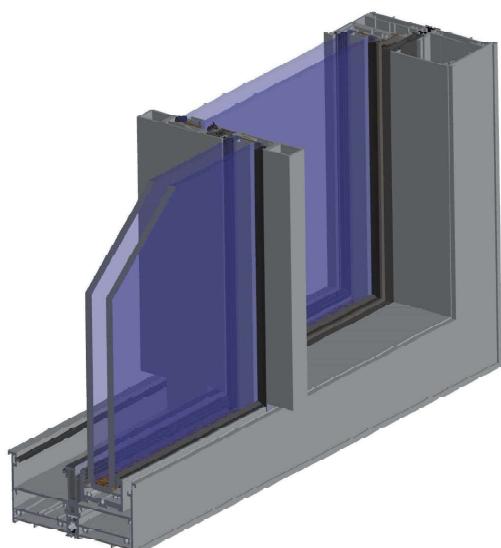
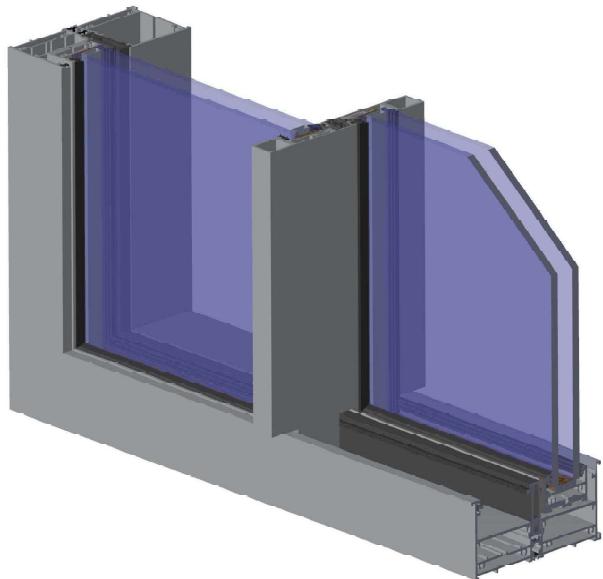
Glazing Technology International System (GLAZETECH) are one of the leading aluminium architectural solution providers through innovative system and special component designing.

Introducing our advanced sliding door aluminium profile system, designed to elevate your space with sleek and functional door solutions. Our cutting-edge system combines innovative technology, premium materials, and superior craftsmanship to deliver a seamless and stylish sliding door experience. With a focus on durability, performance, and aesthetics, our advanced aluminium profile system offers unparalleled strength and stability while offering slim profiles that maximize natural light and provide unobstructed views. Whether for residential or commercial applications, our sliding door system is engineered to meet the highest standards of quality, functionality, and design, making it the ideal choice for modern spaces seeking a contemporary and refined.

GLAZETECH SYSTEM®

SLIM SLIDE SYSTEM

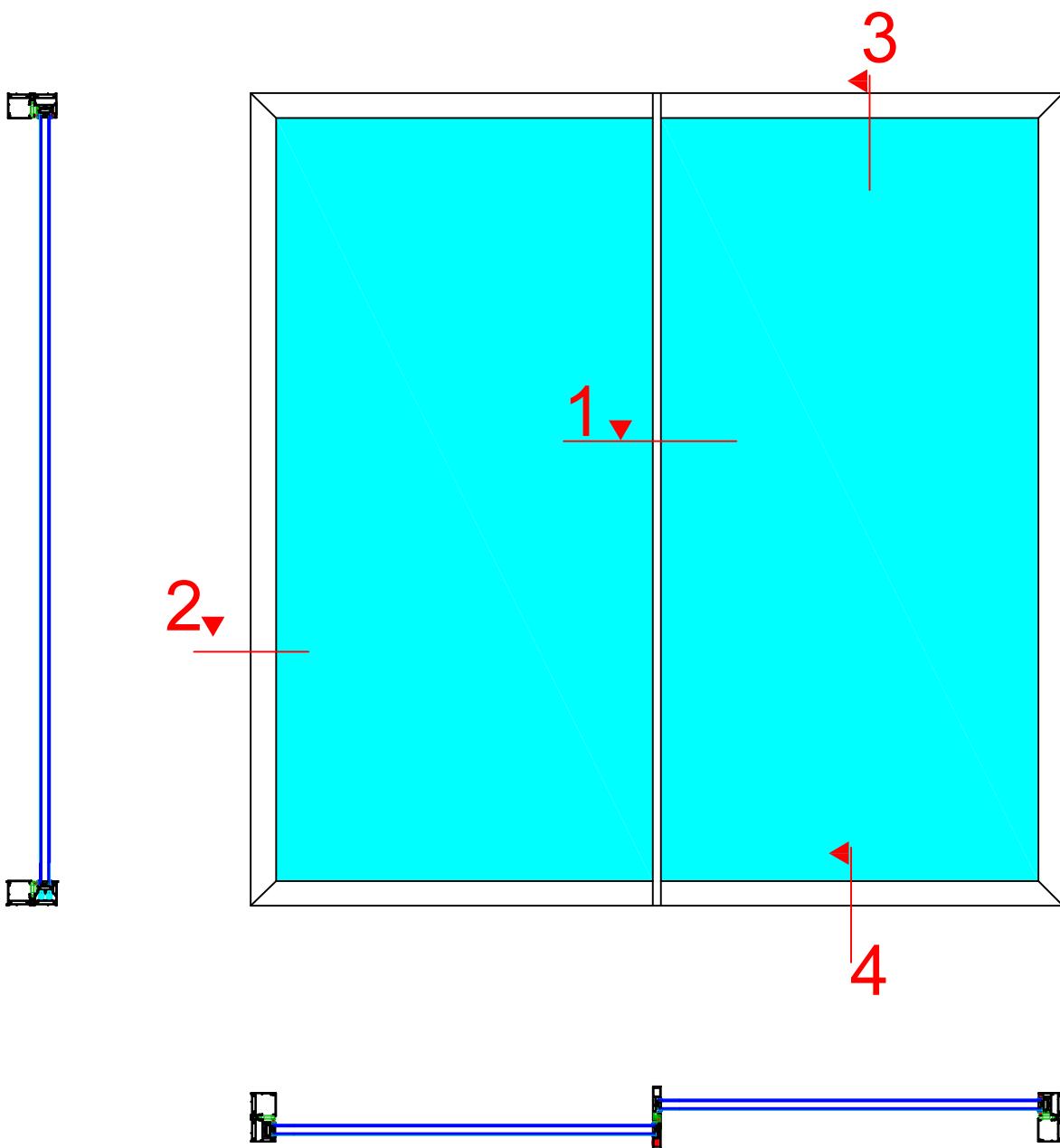
SLIM SLIDE



GLAZETECH SYSTEM®

SLIM SLIDE SYSTEM

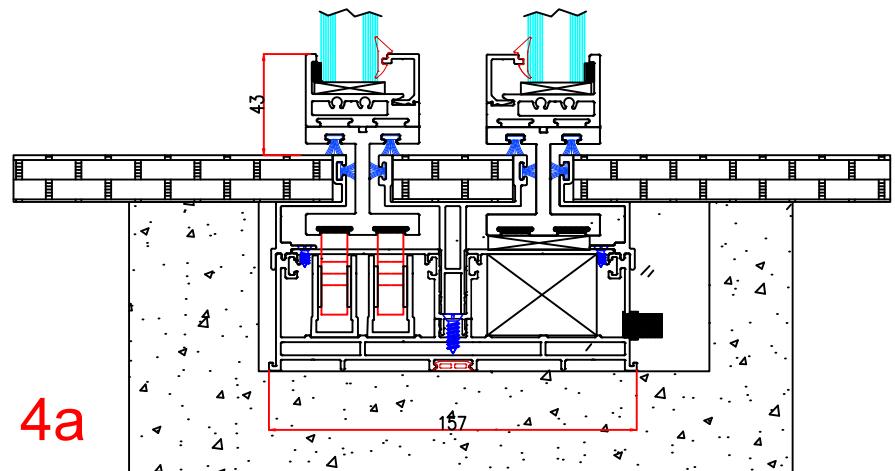
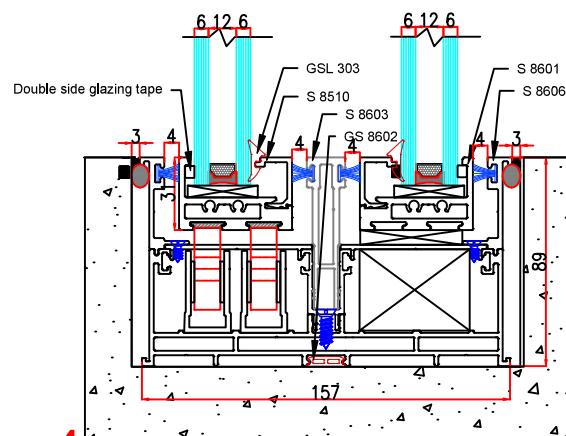
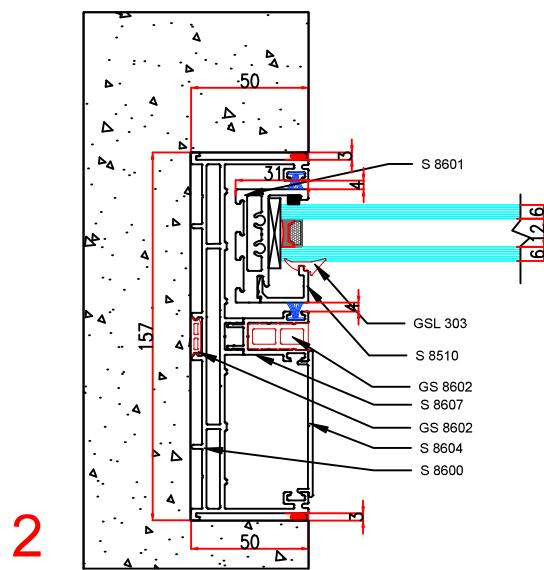
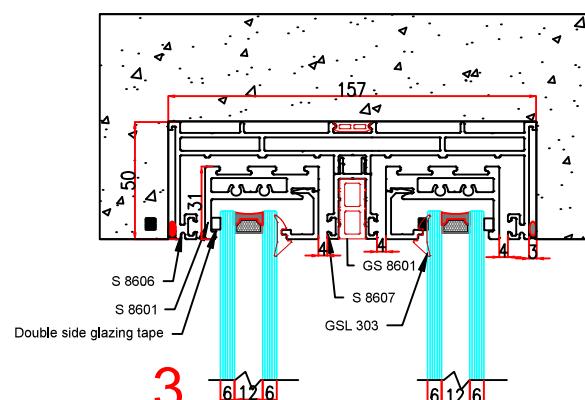
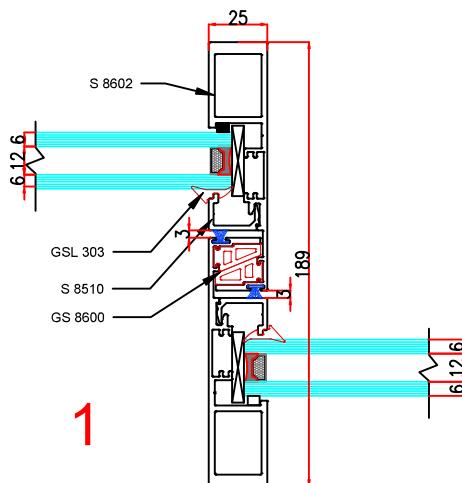
ELEVATION



GLAZETECH SYSTEM®

SLIM SLIDE SYSTEM

TYPICAL DETAILS



GLAZETECH SYSTEM®

SLIM SLIDE SYSTEM

THERMAL TRANSMITTANCE ACCORDING TO EN ISO 10077-2

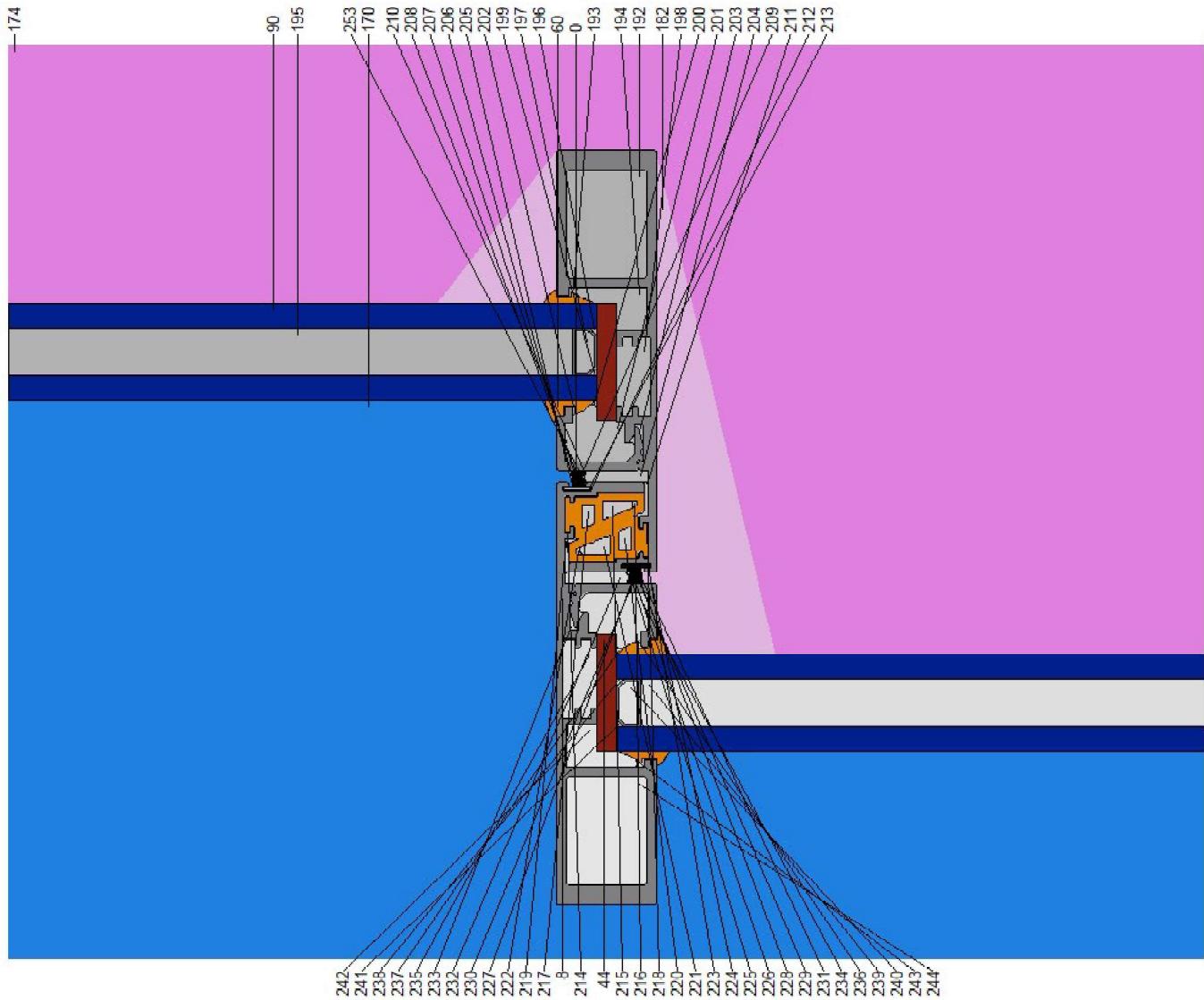


Figure 1. Frame section (with colour numbers)

GLAZETECH SYSTEM[®]

SLIM SLIDE SYSTEM

THERMAL TRANSMITTANCE ACCORDING TO EN ISO 10077-2

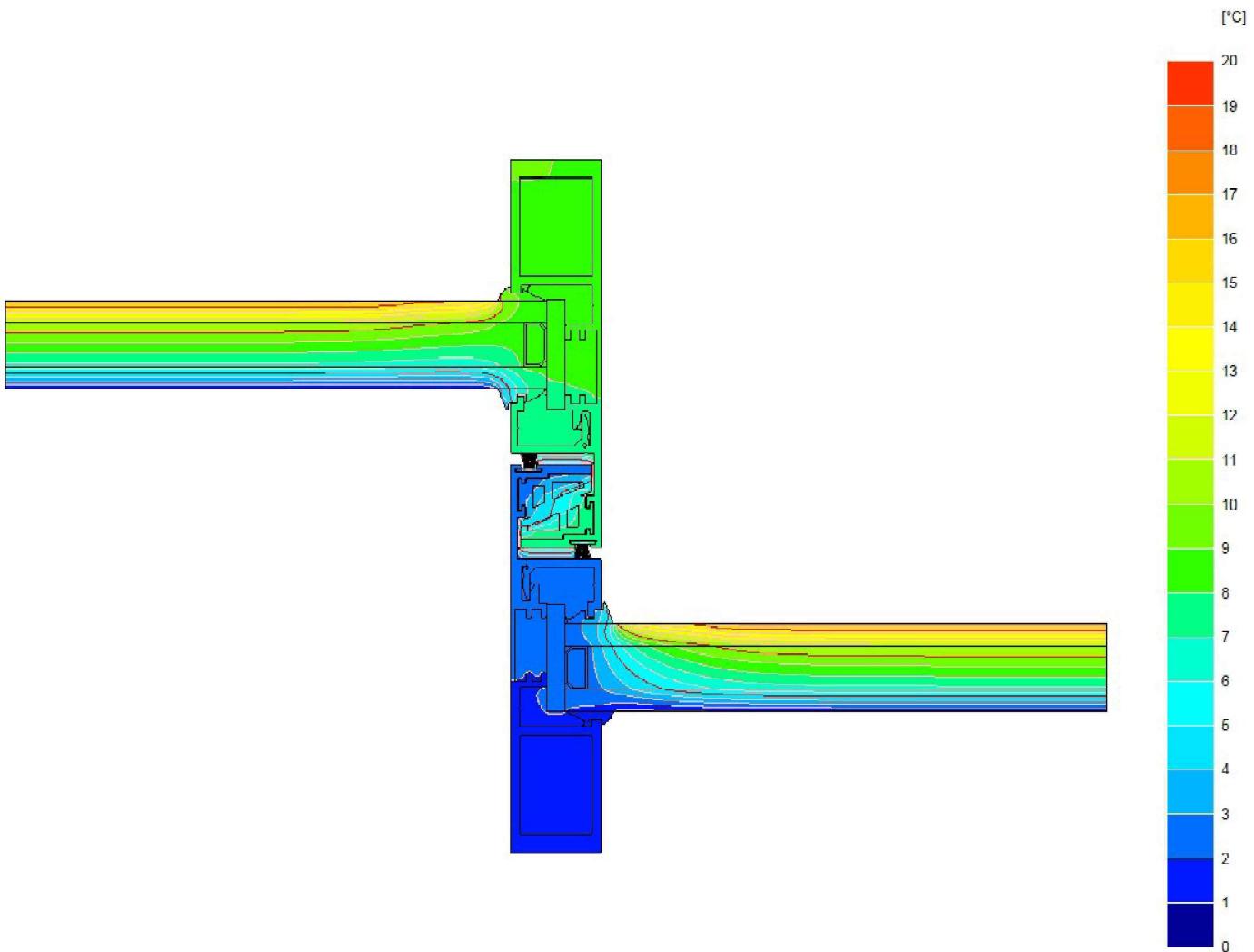


Figure 2. Isotherms (colour increment of 1°C, line increments of 1°C and 5°C)

GLAZETECH SYSTEM[®]

SLIM SLIDE SYSTEM

THERMAL TRANSMITTANCE ACCORDING TO EN ISO 10077-2

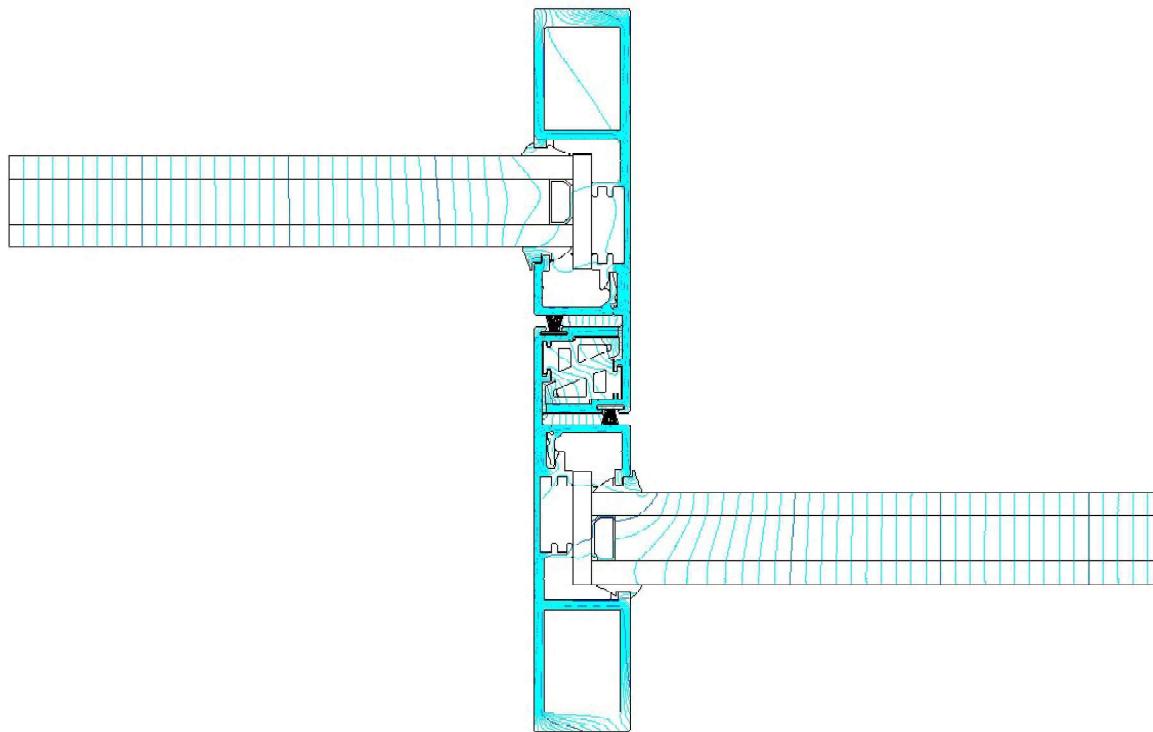


Figure 3. Heat flow lines (increment 0.1 W/m).

BISCO DATA SUMMARY

BISCO data file name	slim interlock.bsc
Bitmap file name	slim interlock.bmp
Pixel width	0.0001
Triangulation size	5
Number of nodes	52544

Material thermal conductivity table

Col.	Name	lambda [W/mK]	eps [-]
0		1.000	
8	aluminium	160.000	
44	polyamid reinf.	0.300	
60	EPDM	0.250	
90		0.027	
253	cavity <1x1 mm ²	0.028	
Col.	Name	lambda [W/mK]	eps [-]
8	aluminium		
28	insulation		
44	polyamid reinf.		
60	EPDM		
253	cavity <1x1 mm ²		

GLAZETECH SYSTEM[®]

SLIM SLIDE SYSTEM

THERMAL TRANSMITTANCE ACCORDING TO EN ISO 10077-2

Boundary condition table

Col.	Name	t [-C]	h [W/m ² K]	q [W/m ²]
170	exterior	0.0	25.00	0
174	interior (normal)	20.0	7.70	0
182	interior (reduced)	20.0	5.00	0
Col.	Name	t [°C]	h [W/m ² K]	q [W/m ²]
170	exterior			
174	interior (normal)			
182	interior (reduced)			

Cavity equivalent thermal conductivity table

Col. lambda lambda [W/mK]	Col. lambda lambda [W/mK]	Col. lambda lambda [W/mK]	Col. lambda lambda [W/mK]
192 0.100	193 0.029	194 0.053	195 0.073
196 0.029	197 0.041	198 0.073	199 0.029
200 0.028	201 0.066	202 0.029	203 0.037
204 0.037	205 0.027	206 0.027	207 0.027
208 0.031	209 0.030	210 0.030	211 0.036
212 0.027	213 0.028	214 0.027	215 0.037
216 0.029	217 0.034	218 0.028	219 0.031
220 0.035	221 0.038	222 0.029	223 0.028
224 0.028	225 0.030	226 0.030	227 0.031
228 0.030	229 0.030	230 0.027	231 0.027
232 0.037	233 0.036	234 0.064	235 0.070
236 0.029	237 0.028	238 0.029	239 0.072
240 0.040	241 0.029	242 0.051	243 0.032
244 0.094			
Col. lambda lambda [W/mK]	Col. lambda lambda [W/mK]	Col. lambda lambda [W/mK]	Col. lambda lambda [W/mK]

BISCO MAIN RESULTS

U-value of frame	26.464 W/(m².K)
Width of frame	0.0250 m
U-value of panel 1	1.297 W/(m².K)
Width of panel 1	0.1375 m

GLAZETECH SYSTEM®

SLIM SLIDE SYSTEM

THERMAL TRANSMITTANCE ACCORDING TO EN ISO 10077-2

Thermal Calculation Program For Slim Slide System(4.60mx3.42m)

As per BS EN ISO 10077-1

Frame thickness 0.025

Width(f) 4.60

Width(g) 4.58

Height(f) 3.42

Height(g) 3.42

	Ag	15.6 5
from glass spec	Ug	1.30
	Af ₁	0.09
from Thermal Calculation program	Uf ₁	26.4 6
		22.8
	Lg	8
standard value	Ψg	0.05

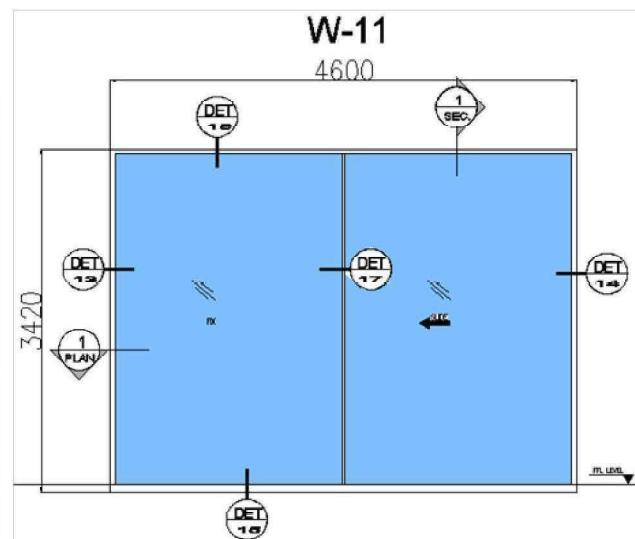
$$U_w = \frac{A_g U_g + A_f U_f + l_g \Psi_g}{A_g + A_f}$$

Ag X Ug	Af ₁ X Uf ₁	Lg X Ψg	Ag + Af
20.3404 5	2.26233	1.144	15.73

window u value	1.51
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3.2 Symbols

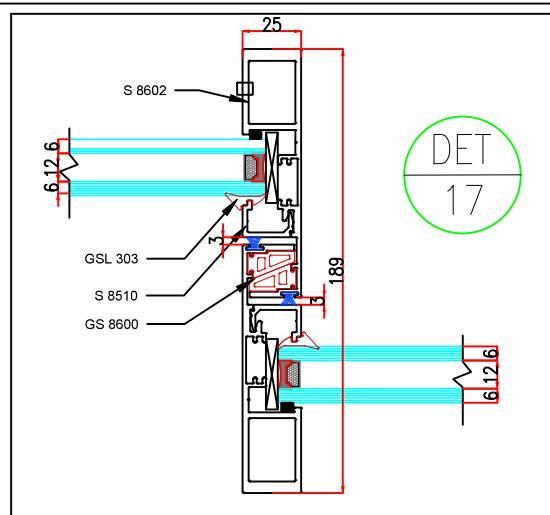
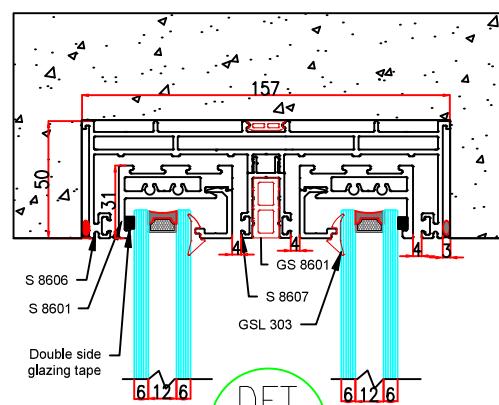
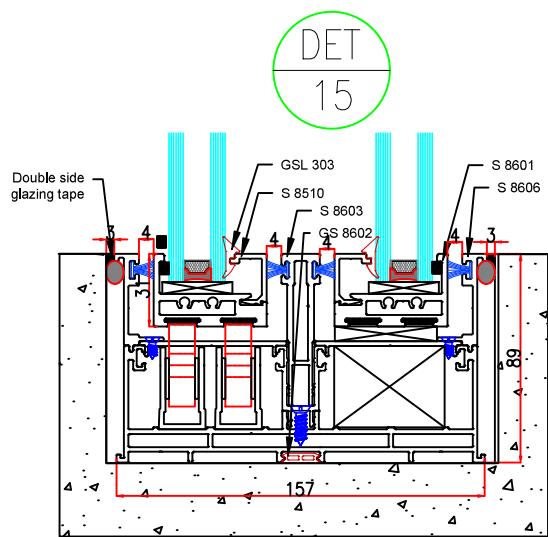
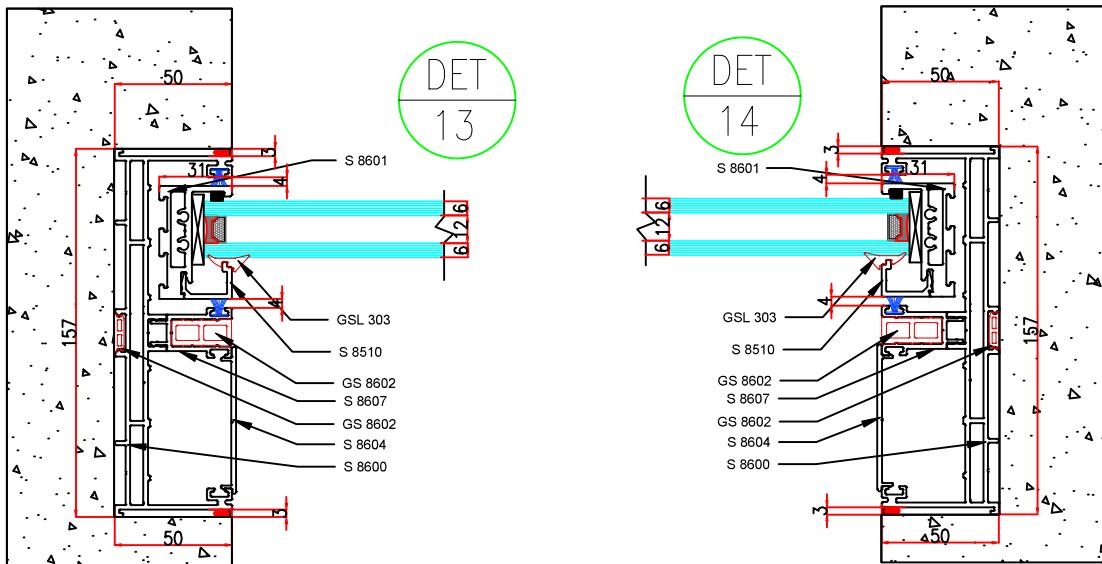
Symbol	Quantity	Unit
A	area	m ²
R	thermal resistance	m ² ·K/W
T	temperature	K
U	thermal transmittance	W/(m ² ·K)
b	width	m
d	distance / thickness	m
l	length	m
q	density of heat flow rate	W/m ²
Ψ	linear thermal transmittance	W/(m·K)
λ	thermal conductivity	W/(m·K)



GLAZETECH SYSTEM®

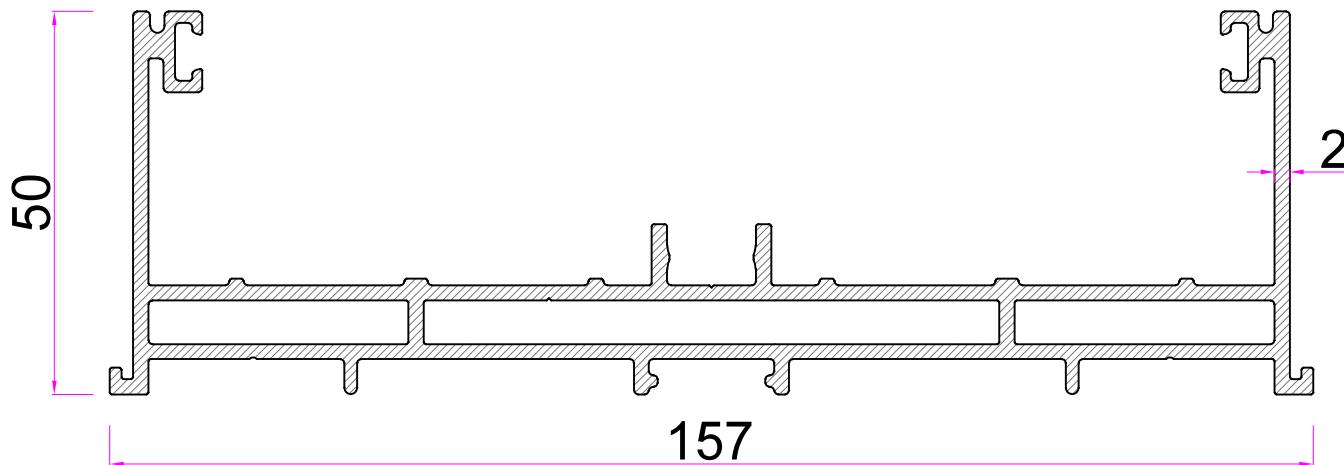
SLIM SLIDE SYSTEM

THERMAL TRANSMITTANCE ACCORDING TO EN ISO 10077-2

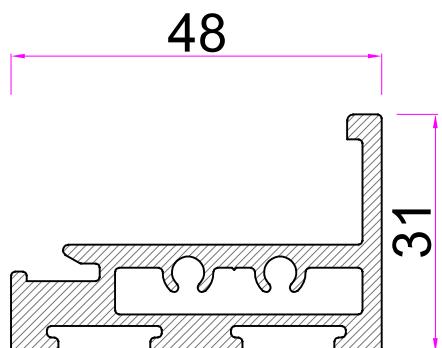


GLAZETECH SYSTEM®

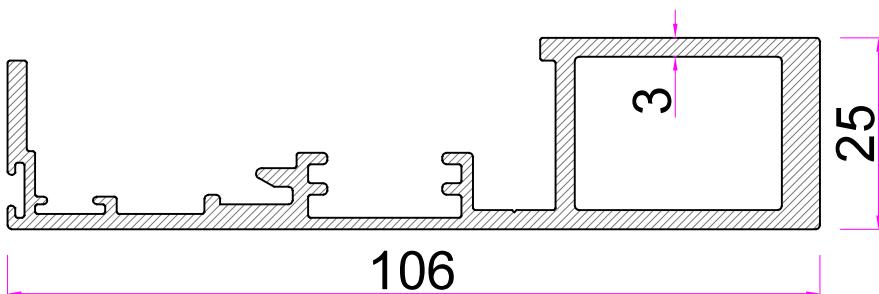
SLIM SLIDE SYSTEM



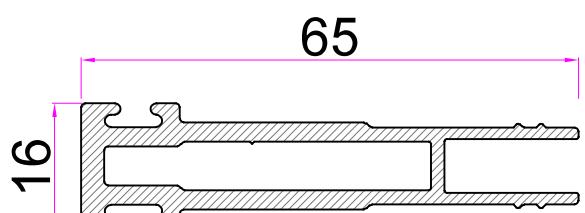
S8600
2.620 kg/m



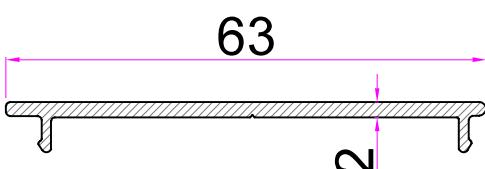
S8601
1.089 kg/m



S8602
1.588 kg/m



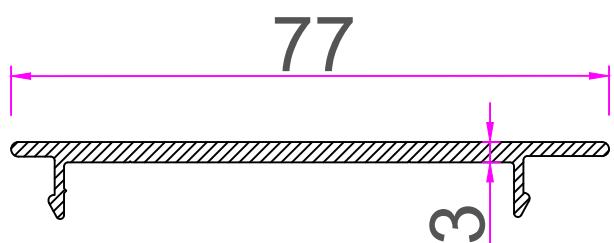
S8603
0.943 kg/m



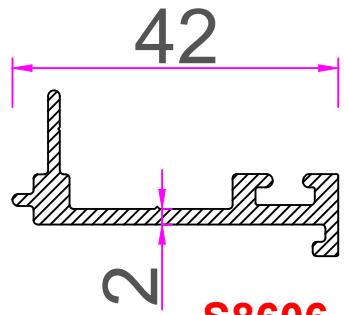
S8604
0.366 kg/m

GLAZETECH SYSTEM®

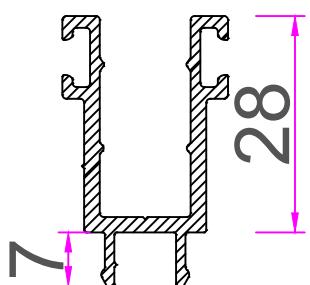
SLIM SLIDE SYSTEM



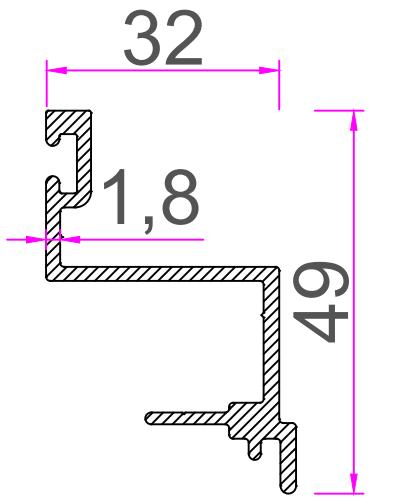
S8605
(0.557 kg / m)



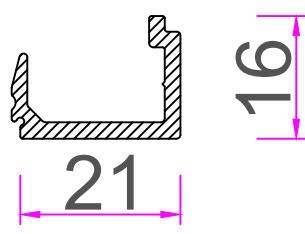
S8606
(0.443 kg / m)



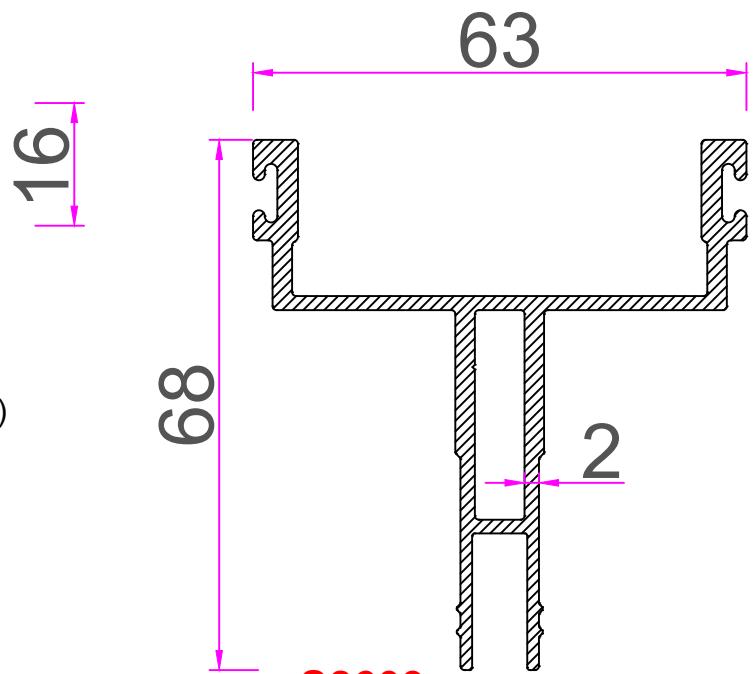
S8607
(0.449 kg / m)



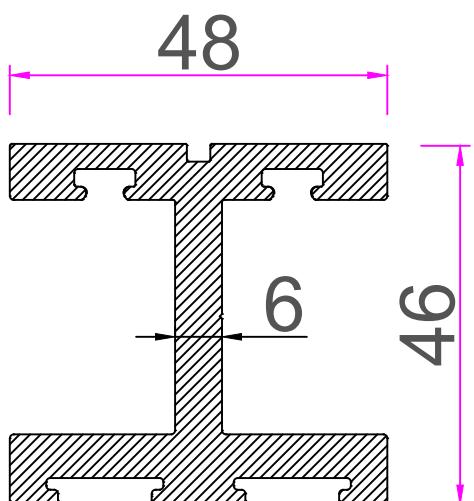
S8610
(0.574 kg / m)



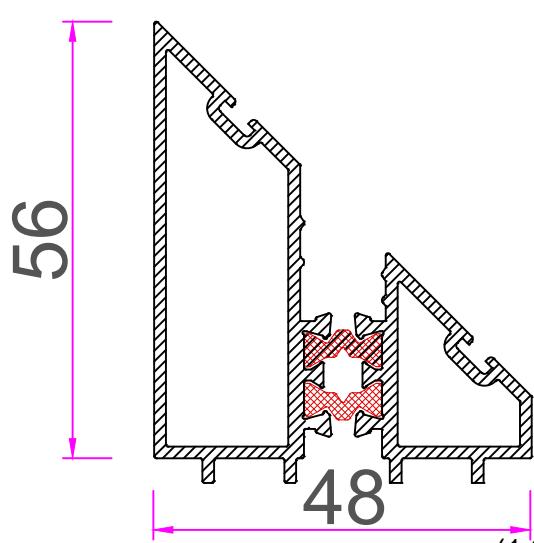
S8510
(0.243 kg / m)



S8609
(1.209 kg / m)



S8611
(2.191 kg / m)

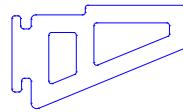
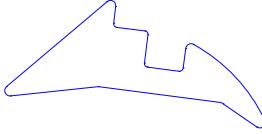
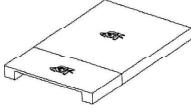
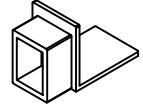


TA 970
(1.242 kg / m)

GLAZETECH SYSTEM®

SLIM SLIDE SYSTEM

ACCESSORIES

SL NO	GASKET CODE	SHAPE	DESCRIPTION	REMARKS
1	GS 8600		INTERLOCK GASKET	
2	GS 8601		FRAME CENTRE GASKET	
3	GS 8602		FRAME OUTSIDE GASKET	
4	GL-PRJ-IRN -0080		SLIDING DOOR LOCK	
5	OPTIONAL HANDLES		PULL HANDLE	
6	GL-PRJ-SACC -0117		BUMP RUBBER	
7	GL-PRJ-SACC -0118		INTERLOCK COVER	

GLAZETECH SYSTEM®

SLIM SLIDE SYSTEM

MAXIMUM ALLOWABLE SHUTTER SIZE COMBINATION

wind load(kN/m ²)	1.50	MOMENT OF INERTIA OF INTERLOCK(cm ⁴)	474
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shutter width(mm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	
shutter height(mm)	Deflection(mm)																						
1200	0.12	0.13	0.15	0.16	0.17	0.18	0.20	0.21	0.22	0.23	0.24	0.26	0.27	0.28	0.29	0.31	0.32	0.33	0.34	0.35	0.37	0.38	
1300	0.17	0.18	0.20	0.22	0.24	0.25	0.27	0.29	0.30	0.32	0.34	0.35	0.37	0.39	0.40	0.42	0.44	0.45	0.47	0.49	0.50	0.52	
1400	0.23	0.25	0.27	0.29	0.32	0.34	0.36	0.38	0.41	0.43	0.45	0.47	0.50	0.52	0.54	0.57	0.59	0.61	0.63	0.66	0.68	0.70	
1500	0.30	0.33	0.36	0.39	0.42	0.45	0.48	0.51	0.54	0.57	0.60	0.63	0.66	0.69	0.72	0.75	0.77	0.80	0.83	0.86	0.89	0.92	
1600	0.39	0.42	0.46	0.50	0.54	0.58	0.62	0.66	0.69	0.73	0.77	0.81	0.85	0.89	0.93	0.96	1.00	1.04	1.08	1.12	1.16	1.20	
1700	0.49	0.54	0.59	0.64	0.69	0.74	0.79	0.84	0.88	0.93	0.98	1.03	1.08	1.13	1.18	1.23	1.28	1.33	1.38	1.43	1.47	1.52	
1800	0.62	0.68	0.74	0.80	0.87	0.93	0.99	1.05	1.11	1.17	1.24	1.30	1.36	1.42	1.48	1.54	1.61	1.67	1.73	1.79	1.85	1.92	
1900	0.77	0.84	0.92	1.00	1.07	1.15	1.23	1.30	1.38	1.46	1.53	1.61	1.69	1.76	1.84	1.92	1.99	2.07	2.15	2.22	2.30	2.38	
2000	0.94	1.04	1.13	1.22	1.32	1.41	1.51	1.60	1.70	1.79	1.88	1.98	2.07	2.17	2.26	2.35	2.45	2.54	2.64	2.73	2.83	2.92	
2100	1.14	1.26	1.37	1.49	1.60	1.72	1.83	1.95	2.06	2.18	2.29	2.40	2.52	2.63	2.75	2.86	2.98	3.09	3.21	3.32	3.43	3.55	
2200	1.38	1.52	1.65	1.79	1.93	2.07	2.21	2.34	2.48	2.62	2.76	2.90	3.03	3.17	3.31	3.45	3.59	3.72	3.86	4.00	4.14	4.27	
2300	1.65	1.81	1.98	2.14	2.31	2.47	2.64	2.80	2.97	3.13	3.29	3.46	3.62	3.79	3.95	4.12	4.28	4.45	4.61	4.78	4.94	5.11	
2400	1.95	2.15	2.34	2.54	2.73	2.93	3.12	3.32	3.52	3.71	3.91	4.10	4.30	4.49	4.69	4.88	5.08	5.27	5.47	5.66	5.86	6.05	
2500	2.30	2.53	2.76	2.99	3.22	3.45	3.68	3.91	4.14	4.37	4.60	4.83	5.06	5.29	5.52	5.75	5.98	6.21	6.44	6.67	6.90	7.13	
2600	2.69	2.96	3.23	3.50	3.77	4.03	4.30	4.57	4.84	5.11	5.38	5.65	5.92	6.19	6.46	6.72	6.99	7.26	7.53	7.80	8.07	8.34	
2700	3.13	3.44	3.75	4.07	4.38	4.69	5.01	5.32	5.63	5.94	6.26	6.57	6.88	7.20	7.51	7.82	8.13	8.45	8.76	9.07	9.38	9.70	
2800	3.62	3.98	4.34	4.70	5.07	5.43	5.79	6.15	6.51	6.87	7.24	7.60	7.96	8.32	8.68	9.05	9.41	9.77	10.13	10.49	10.85	11.22	
2900	4.16	4.58	5.00	5.41	5.83	6.25	6.66	7.08	7.49	7.91	8.33	8.74	9.16	9.58	9.99	10.41	10.82	11.24	11.66	12.07	12.49	12.91	
3000	4.77	5.24	5.72	6.20	6.68	7.15	7.63	8.11	8.58	9.06	9.54	10.01	10.49	10.97	11.44	11.92	12.40	12.87	13.35	13.83	14.30	14.78	
3100	5.44	5.98	6.52	7.07	7.61	8.15	8.70	9.24	9.79	10.33	10.87	11.42	11.96	12.50	13.05	13.59	14.13	14.68	15.22	15.77	16.31	16.85	
3200	6.17	6.79	7.41	8.02	8.64	9.26	9.88	10.49	11.11	11.73	12.34	12.96	13.58	14.20	14.81	15.43	16.05	16.67	17.28	17.90	18.52		
3300	6.98	7.68	8.38	9.08	9.77	10.47	11.17	11.87	12.57	13.26	13.96	14.66	15.36	16.06	16.75	17.45	18.15	18.85					
3400	7.87	8.65	9.44	10.23	11.01	11.80	12.59	13.37	14.16	14.95	15.73	16.52	17.31	18.09	18.88								
3500	8.83	9.72	10.60	11.48	12.37	13.25	14.13	15.02	15.90	16.78	17.67	18.55											
3600	9.89	10.88	11.86	12.85	13.84	14.83	15.82	16.81	17.80	18.79													
3700	11.03	12.14	13.24	14.34	15.45	16.55	17.65	18.75															
3800	12.27	13.50	14.73	15.96	17.18	18.41																	
3900	13.62	14.98	16.34	17.70																			
4000	15.07	16.58	18.08																				
4100	16.63	18.30																					



Elite Extrusion LLC



National Aluminium Extrusion LLC



Classic Extrusion LLC



Alumill Tech Gulf LLC



Thermoset Middle East LLC



Global Dies



Global Pioneer
Aluminium Ind. LLC



Jordan Aluminium
Extrusion Co.LLC



United Powder Coating FZC



White Metal Aluminium Tr. LLC



Elex Aluminium Products. Pvt. Ltd



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Email: glazetech@elitegroupuae.com

