

# SAMPLE 8



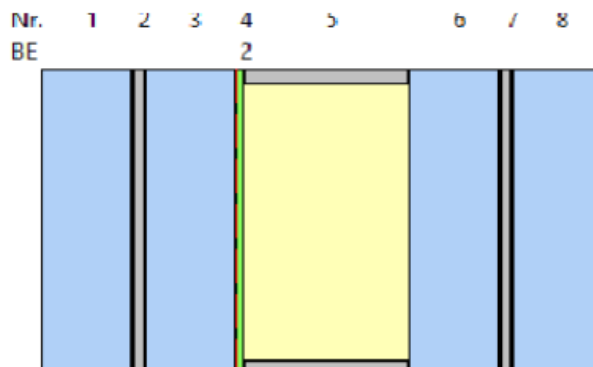
Date: 3/18/2025

## Light, energy and thermal parameters of glass with ipachrome design according to the standards EN 410 and EN 673

### Composition

#### Layer assembly (external to internal)

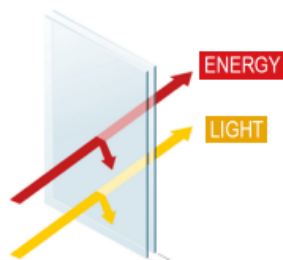
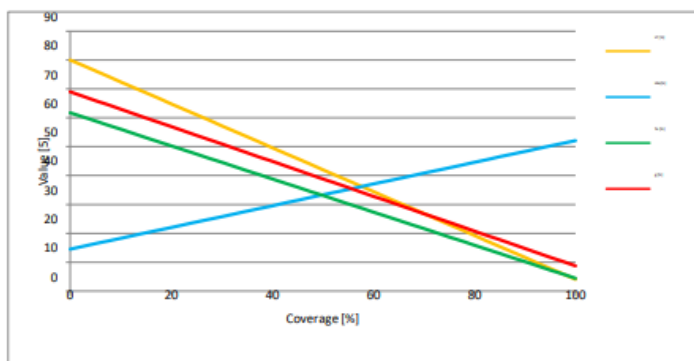
No.	CL	Name	mm
1		DIAMANT	10.00
2		Trosifol® UltraClear	1.52
3		DIAMANT	10.00
4	2	ipachrome design *)	
5		90% Argon	18.00
6		DIAMANT	10.00
7		Trosifol® UltraClear	1.52
8		DIAMANT	10.00
*) USERDEFINED			61.04



U-value / EN 673: 1.6 W/m²K

Tilt: 90°

Coverage [%]	LT [%]	LRe[%]	Te [%]	g [%]	SC - g/0.87
	Light transmission	External Light reflection	Direct energy transmission	Solar factor	Shading coefficient
0	80	15	62	69	0.79
5	76	16	59	66	0.76
10	72	18	56	63	0.72
15	69	20	53	60	0.69
20	65	22	50	57	0.65
25	61	24	47	54	0.62
30	57	26	45	51	0.59
35	53	28	42	48	0.55
40	50	30	39	45	0.52
45	46	31	36	42	0.48
50	42	33	33	39	0.45
55	38	35	30	36	0.41
60	34	37	27	33	0.38
65	31	39	25	30	0.34
70	27	41	22	27	0.31
75	23	43	19	24	0.27
80	19	45	16	21	0.24
85	15	46	13	18	0.20
90	12	48	10	15	0.17
95	8	50	7	12	0.14
100	4	52	4	9	0.10



Light and solar radiant heat factors may vary due to the chemical composition of the glass and the production process. These factors refer to test panes as specified by the applicable testing standard. The performance data could deviate absolutely +/- 5 [%]. The Ug-value is calculated without frit. Light and solar radiant heat factors calculated according to EN 410, vertical installation.