

GLASS SPECIFICATION

	Single glass application-6mm				DGU application 6-12-6mm			
	VLT	Solar facto	SC	U value W/m2K	VLT	Solar facto	SC	U value W/m2K
Aquamarine 20	18	0.29	0.33	5.1	17	0.19	0.21	2.6
Green 20	16	0.24	0.28	4.3	14	0.16	0.18	2.2
Green 32	26	0.34	0.39	5.5	24	0.24	0.27	2.7
Green 34	32	0.33	0.38	5	28	0.24	0.27	2.5
Green 52	43	0.43	0.5	5.6	39	0.32	0.35	2.8
					Only DGU - 6-12-6mm			
Green 35					29	0.2	0.23	1.6
Green 40					32	0.23	0.26	1.7
Aquamarine 40					32	0.21	0.25	1.6
Green plus 50					40	0.25	0.28	1.6
Green 60					48	0.23	0.34	1.6
Green 70					57	0.37	0.43	1.8

Guarding Reflectiv Single glass application or monolithic use of glass

Colour	Glass type	Thickness	Visible light transmission	Reflection Outside	Reflection inside	Colour render Index	Solar factor %	U value W/(m2/K)
Neutral/Clear	Neutral 34	6mm	38	23	7	93	51	5
Blue	Royal blue 20	6mm	22	21	29	98	34	5.1
Blue	Light blue 52	6mm	52	17	15	98	58	5.6
Blue green	Aquamarine 20	6mm	18	17	29	91	25	4.3

Guarding Reflectiv Double glass Unit glass application

Colour	Glass type	DGU	Visible light transmission	Reflection Outside	Reflection inside	Colour render Index	Solar factor %	U value W/(m2/K)
Neutral/Clear	Neutral 40	6mm reflective glass 12mm air gap 6mm clear	39	23	14	89	30	1.6
Neutral/Clear	Neutral 50 plus	6mm reflective glass 12mm air gap 6mm clear	48	25	21	95	33	1.5
Neutral/Clear	Neutral 60	6mm reflective glass 12mm air gap 6mm clear	58	24	18	95	41	1.5
Neutral/Clear	Neutral 70	6mm reflective glass 12mm air gap 6mm clear	68	11	12	95	55	1.8
Blue	Royal blue 40	6mm reflective glass 12mm air gap 6mm clear	38	26	25	85	29	1.6
Blue green	Green 40	6mm reflective glass 12mm air gap 6mm clear	32	18	14	81	23	1.6
Blue green	Aquamarine 40	6mm reflective glass 12mm air gap 6mm clear	32	20	25	87	21	1.6

Advantage of Guardain glass usage:

1. Guarding product coated with niobium zirconium which prevent the faster oxidization.
2. No Edge deletion required, translate in better performance.
3. Best performance in terms of VLT, U value.
4. Colour rendering index ensure the real visibility of outside object.
5. Guardian glass is used in world tallest building- Burj Dubai hotel
6. Guardain is largest coating manufacturer in the world