الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K-LITE®

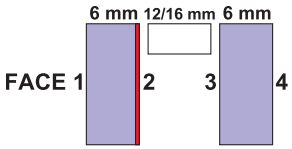
OPTIMA MULTI FUNCTION

LOW - E

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Optima Multi Function Low-E Coatings — 28mm (6/16/6) Insulating Glass Units



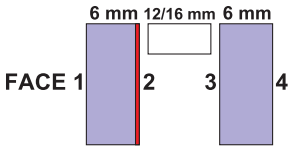
DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
Optima Silver 34	Azurlite	26	22	13	11	11	78	0.18	0.21	1.74	149	0.18	0.21	1.5	143	0.17	0.2	1.45	138	0.17	0.2	1.26	134	10
Optima Silver 36	Azurlite	27	28	23	11	13	76	0.19	0.21	1.64	148	0.18	0.21	1.39	142	0.17	0.2	1.33	137	0.17	0.2	1.13	133	12
Optima Neutral 43	Azurlite	33	11	14	14	7	79	0.23	0.26	1.84	179	0.22	0.25	1.61	173	0.21	0.25	1.57	169	0.21	0.25	1.39	165	17
Optima Silver 47	Azurlite	36	26	37	14	13	73	0.2	0.23	1.56	160	0.2	0.23	1.29	154	0.19	0.22	1.23	148	0.19	0.22	1.02	145	12
Optima Neutral 51	Azurlite	40	12	11	17	8	75	0.25	0.29	1.81	194	0.24	0.28	1.59	188	0.24	0.27	1.54	184	0.23	0.27	1.36	181	19
Optima Neutral 60	Azurlite	46	13	12	19	8	73	0.26	0.3	1.69	205	0.26	0.3	1.45	199	0.25	0.29	1.4	195	0.25	0.29	1.2	191	16
Optima Azura	Azurlite	40	15	14	16	9	75	0.24	0.28	1.83	193	0.24	0.28	1.61	187	0.23	0.27	1.56	183	0.23	0.27	1.38	180	17
Optima Silver 34	Blue Green	29	25	13	14	16	70	0.21	0.24	1.74	167	0.2	0.24	1.5	161	0.2	0.23	1.45	157	0.2	0.23	1.26	153	8
Optima Silver 36	Blue Green	30	33	23	15	18	67	0.22	0.25	1.64	173	0.21	0.25	1.39	167	0.21	0.24	1.33	163	0.21	0.24	1.13	160	10
Optima Neutral 43	Blue Green	37	13	14	18	10	72	0.27	0.31	1.84	208	0.26	0.3	1.61	202	0.26	0.3	1.57	199	0.25	0.29	1.39	195	13
Optima Silver 47	Blue Green	40	31	37	17	19	64	0.23	0.27	1.56	182	0.23	0.26	1.29	176	0.22	0.26	1.23	172	0.22	0.25	1.02	168	10
Optima Neutral 51	Blue Green	44	14	11	22	11	67	0.3	0.34	1.81	230	0.29	0.34	1.59	224	0.29	0.33	1.54	221	0.28	0.33	1.36	217	15
Optima Neutral 60	Blue Green	51	15	12	26	11	63	0.33	0.38	1.69	255	0.33	0.38	1.45	249	0.32	0.37	1.4	246	0.32	0.37	1.2	242	13
Optima Azura	Blue Green	44	17	14	23	12	65	0.3	0.35	1.83	236	0.3	0.35	1.61	231	0.3	0.34	1.56	228	0.29	0.34	1.38	224	13
Optima Silver 34	Blue	22	16	13	12	15	73	0.2	0.23	1.74	157	0.19	0.22	1.5	151	0.19	0.22	1.45	147	0.18	0.21	1.26	144	8
Optima Silver 36	Blue	23	20	23	14	16	70	0.21	0.24	1.64	165	0.2	0.23	1.39	159	0.2	0.23	1.33	155	0.19	0.23	1.13	151	10
Optima Neutral 43	Blue	28	9	14	17	10	73	0.25	0.29	1.84	196	0.24	0.28	1.61	190	0.24	0.28	1.57	187	0.24	0.27	1.39	183	13
Optima Silver 47	Blue	30	19	37	15	18	67	0.21	0.25	1.56	168	0.21	0.24	1.29	162	0.2	0.23	1.23	157	0.2	0.23	1.02	154	10
Optima Neutral 51	Blue	33	10	11	20	10	70	0.28	0.32	1.81	216	0.27	0.31	1.59	210	0.27	0.31	1.54	207	0.26	0.31	1.36	203	15
Optima Neutral 60	Blue	38	10	12	23	10	67	0.31	0.36	1.69	240	0.3	0.35	1.45	234	0.3	0.35	1.4	230	0.3	0.34	1.2	226	13
Optima Azura	Blue	33	11	13	21	11	68	0.29	0.34	1.83	227	0.29	0.33	1.61	222	0.28	0.33	1.56	219	0.28	0.32	1.38	215	13

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
Production and measurement tolerances are in accordance with applicable standards and procedures.
Evergreen® is the registered trademark of Pilkington. RHG has been calculated using SC. and U. value to 5 decimal places for accuracy.
Azurlite® is the registered trademark of PPG Industries.

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Optima Multi Function Low-E Coatings — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
Optima Silver 34	Bronze	18	13	13	11	16	73	0.18	0.21	1.74	149	0.18	0.21	1.5	143	0.17	0.2	1.45	139	0.17	0.2	1.26	135	4
Optima Silver 36	Bronze	19	15	23	13	16	71	0.2	0.23	1.64	159	0.19	0.23	1.39	153	0.19	0.22	1.33	149	0.19	0.22	1.13	145	5
Optima Neutral 43	Bronze	23	8	14	15	11	74	0.24	0.27	1.84	186	0.23	0.27	1.61	180	0.23	0.26	1.57	177	0.22	0.26	1.39	173	7
Optima Silver 47	Bronze	25	15	37	13	19	68	0.2	0.23	1.56	157	0.19	0.22	1.29	151	0.19	0.22	1.23	146	0.18	0.21	1.02	143	5
Optima Neutral 51	Bronze	27	8	11	18	11	71	0.26	0.3	1.81	205	0.26	0.3	1.59	200	0.25	0.29	1.54	196	0.25	0.29	1.36	193	8
Optima Neutral 60	Bronze	32	8	12	22	11	67	0.3	0.35	1.69	231	0.29	0.34	1.45	225	0.29	0.33	1.4	222	0.29	0.33	1.2	218	7
Optima Azura	Bronze	28	9	13	20	10	70	0.29	0.33	1.83	223	0.28	0.33	1.61	218	0.28	0.32	1.56	215	0.27	0.32	1.38	211	7
Optima Silver 34	Clear	34	33	14	20	36	44	0.25	0.29	1.74	195	0.24	0.28	1.50	190	0.24	0.28	1.45	188	0.24	0.28	1.26	185	15
Optima Silver 36	Clear	36	44	23	23	39	38	0.28	0.32	1.64	216	0.28	0.32	1.39	212	0.28	0.32	1.33	210	0.27	0.31	1.13	207	18
Optima Neutral 43	Clear	43	16	15	27	22	51	0.34	0.39	1.84	262	0.34	0.39	1.61	257	0.33	0.38	1.57	255	0.33	0.38	1.39	251	24
Optima Silver 47	Clear	47	41	38	24	44	32	0.28	0.32	1.56	217	0.28	0.32	1.29	213	0.28	0.32	1.23	211	0.28	0.32	1.02	208	18
Optima Neutral 51	Clear	51	17	12	32	23	45	0.39	0.45	1.81	296	0.38	0.44	1.59	292	0.38	0.44	1.54	291	0.38	0.44	1.36	287	28
Optima Neutral 60	Clear	60	19	13	39	22	39	0.46	0.53	1.69	346	0.45	0.52	1.45	342	0.45	0.52	1.4	340	0.45	0.52	1.2	337	23
Optima Azura	Clear	53	22	14	35	23	42	0.42	0.49	1.83	320	0.42	0.48	1.61	316	0.42	0.48	1.56	315	0.41	0.48	1.38	312	24
Optima Silver 34	Evergreen	26	21	13	10	11	79	0.18	0.21	1.74	147	0.18	0.21	1.5	141	0.17	0.2	1.45	136	0.17	0.19	1.26	133	4
Optima Silver 36	Evergreen	27	27	23	11	13	76	0.19	0.22	1.64	148	0.18	0.21	1.39	142	0.17	0.2	1.33	137	0.17	0.2	1.13	134	4
Optima Neutral 43	Evergreen	32	11	14	14	7	79	0.22	0.26	1.84	177	0.22	0.25	1.61	171	0.21	0.25	1.57	167	0.21	0.24	1.39	163	6
Optima Silver 47	Evergreen	35	25	37	13	13	74	0.2	0.23	1.56	158	0.19	0.23	1.29	152	0.19	0.22	1.23	147	0.18	0.21	1.02	143	4
Optima Neutral 51	Evergreen	39	12	11	16	8	76	0.24	0.28	1.81	193	0.24	0.28	1.59	187	0.23	0.27	1.54	183	0.23	0.27	1.36	179	7
Optima Neutral 60	Evergreen	45	12	12	19	8	73	0.27	0.31	1.69	207	0.26	0.3	1.45	201	0.25	0.29	1.4	197	0.25	0.29	1.2	193	6
Optima Azura	Evergreen	39	14	14	16	8	76	0.25	0.29	1.83	195	0.24	0.28	1.61	189	0.24	0.27	1.56	185	0.23	0.27	1.38	181	6

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
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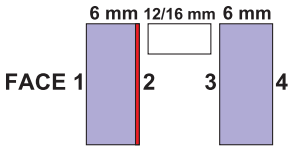
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Optima Multi Function Low-E Coatings — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
Optima Silver 34	Green	28	24	13	13	14	73	0.2	0.23	1.74	160	0.19	0.23	1.5	154	0.19	0.22	1.45	150	0.19	0.22	1.26	146	6
Optima Silver 36	Green	30	31	23	14	16	70	0.21	0.24	1.64	165	0.2	0.23	1.39	159	0.2	0.23	1.33	154	0.19	0.23	1.13	151	7
Optima Neutral 43	Green	36	12	14	17	9	74	0.25	0.29	1.84	197	0.24	0.28	1.61	192	0.24	0.28	1.57	188	0.24	0.27	1.39	184	10
Optima Silver 47	Green	38	29	37	16	17	67	0.22	0.26	1.56	174	0.22	0.25	1.29	168	0.21	0.24	1.23	164	0.21	0.24	1.02	160	7
Optima Neutral 51	Green	42	13	11	20	10	70	0.28	0.32	1.81	217	0.27	0.32	1.59	211	0.27	0.31	1.54	208	0.26	0.31	1.36	204	11
Optima Neutral 60	Green	50	14	12	24	10	66	0.31	0.36	1.69	238	0.3	0.35	1.45	233	0.3	0.35	1.4	229	0.3	0.34	1.2	225	10
Optima Azura	Green	43	16	14	21	11	68	0.29	0.33	1.83	224	0.28	0.33	1.61	219	0.28	0.32	1.56	216	0.28	0.32	1.38	212	10
Optima Silver 34	Grey	17	12	13	10	15	75	0.18	0.21	1.74	148	0.18	0.21	1.5	142	0.17	0.2	1.45	137	0.17	0.2	1.26	134	6
Optima Silver 36	Grey	18	14	23	12	15	73	0.2	0.23	1.64	157	0.19	0.22	1.39	151	0.19	0.22	1.33	147	0.18	0.21	1.13	143	7
Optima Neutral 43	Grey	22	7	14	15	10	75	0.23	0.27	1.84	184	0.23	0.26	1.61	178	0.22	0.26	1.57	175	0.22	0.25	1.39	171	9
Optima Silver 47	Grey	23	14	37	13	17	70	0.2	0.23	1.56	155	0.19	0.22	1.29	149	0.18	0.21	1.23	144	0.18	0.21	1.02	141	7
Optima Neutral 51	Grey	26	8	11	17	11	72	0.26	0.3	1.81	203	0.25	0.29	1.59	197	0.25	0.29	1.54	193	0.24	0.28	1.36	190	10
Optima Neutral 60	Grey	30	8	12	21	10	69	0.29	0.34	1.69	227	0.29	0.33	1.45	221	0.28	0.33	1.4	217	0.28	0.32	1.2	213	9
Optima Azura	Grey	26	9	13	19	10	71	0.28	0.32	1.83	218	0.27	0.32	1.61	213	0.27	0.31	1.56	209	0.27	0.31	1.38	206	9

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
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SAUDI AMERICAN GLASS

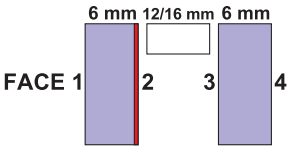
K-LITE®

SOLAR CONTROL INSULATING GLASS

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Sterling Silver (SS) Coatings — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
SS 08	Azurlite	5	27	49	3	13	84	0.14	0.17	2.42	125	0.14	0.16	2.27	120	0.14	0.16	2.24	118	0.13	0.16	2.12	115	4
SS 14	Azurlite	9	22	44	4	11	85	0.17	0.2	2.53	144	0.16	0.19	2.4	140	0.16	0.19	2.37	138	0.16	0.19	2.26	135	6
SS 20	Azurlite	14	17	38	6	9	85	0.19	0.23	2.59	162	0.19	0.22	2.46	158	0.19	0.22	2.44	156	0.18	0.21	2.34	153	9
SS 35	Azurlite	24	11	27	11	7	82	0.24	0.28	2.72	199	0.24	0.28	2.61	195	0.24	0.27	2.59	193	0.23	0.27	2.5	191	14
SS 08	Blue Green	6	32	49	4	18	78	0.15	0.17	2.42	128	0.14	0.17	2.27	124	0.14	0.16	2.24	121	0.14	0.16	2.12	118	3
SS 14	Blue Green	10	26	44	6	14	80	0.18	0.21	2.53	154	0.18	0.21	2.4	149	0.17	0.2	2.37	148	0.17	0.2	2.26	145	5
SS 20	Blue Green	15	19	38	9	12	79	0.22	0.25	2.59	179	0.21	0.25	2.46	175	0.21	0.24	2.44	173	0.21	0.24	2.34	170	7
SS 35	Blue Green	26	12	27	16	8	76	0.28	0.33	2.72	230	0.28	0.33	2.61	226	0.28	0.32	2.59	225	0.28	0.32	2.5	222	11
SS 08	Blue	4	20	49	4	15	81	0.15	0.18	2.42	130	0.14	0.17	2.27	125	0.14	0.17	2.24	123	0.14	0.16	2.12	120	3
SS 14	Blue	8	16	44	6	12	82	0.18	0.21	2.53	154	0.18	0.21	2.4	150	0.17	0.2	2.37	148	0.17	0.2	2.26	145	5
SS 20	Blue	11	13	38	9	10	81	0.21	0.25	2.59	178	0.21	0.24	2.46	173	0.21	0.24	2.44	172	0.2	0.24	2.34	169	7
SS 35	Blue	20	9	27	15	7	78	0.28	0.32	2.72	225	0.27	0.32	2.61	222	0.27	0.32	2.59	220	0.27	0.31	2.5	218	11
SS 08	Bronze	4	15	49	3	15	82	0.15	0.18	2.42	130	0.15	0.17	2.27	126	0.14	0.17	2.24	123	0.14	0.16	2.12	120	2
SS 14	Bronze	6	13	44	6	12	82	0.18	0.21	2.53	154	0.18	0.21	2.4	150	0.17	0.21	2.37	148	0.17	0.2	2.26	145	3
SS 20	Bronze	9	10	38	9	10	81	0.21	0.25	2.59	178	0.21	0.24	2.46	173	0.21	0.24	2.44	172	0.2	0.24	2.34	169	4
SS 35	Bronze	16	7	27	14	7	79	0.28	0.32	2.72	225	0.27	0.32	2.61	221	0.27	0.32	2.59	220	0.27	0.31	2.5	217	6
SS 08	Clear	7	43	49	6	36	58	0.14	0.17	2.42	125	0.14	0.16	2.27	121	0.14	0.16	2.24	120	0.14	0.16	2.12	117	5
SS 14	Clear	12	34	44	10	27	63	0.2	0.23	2.53	165	0.19	0.23	2.4	161	0.19	0.22	2.37	160	0.19	0.22	2.26	157	9
SS 20	Clear	18	25	38	15	21	64	0.25	0.29	2.59	206	0.25	0.29	2.46	203	0.25	0.29	2.44	201	0.25	0.29	2.34	199	13
SS 35	Clear	31	15	27	25	13	62	0.36	0.42	2.72	287	0.36	0.42	2.61	284	0.36	0.42	2.59	283	0.36	0.41	2.5	281	21

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SAUDI AMERICAN GLASS

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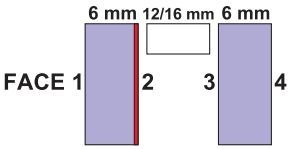
Sterling Silver (SS) Coatings — 28mm (6/16/6) Insulating Glass Units



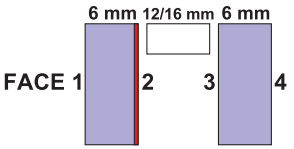
DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
SS 08	Evergreen	5	26	49	3	12	85	0.15	0.17	2.42	127	0.14	0.17	2.27	122	0.14	0.16	2.24	119	0.13	0.16	2.12	116	1
SS 14	Evergreen	9	21	44	4	10	86	0.17	0.2	2.53	146	0.17	0.19	2.4	141	0.16	0.19	2.37	139	0.16	0.19	2.26	136	2
SS 20	Evergreen	13	16	38	7	9	84	0.19	0.23	2.59	164	0.19	0.22	2.46	160	0.19	0.22	2.44	158	0.18	0.22	2.34	155	3
SS 35	Evergreen	23	11	27	11	7	82	0.24	0.29	2.72	201	0.24	0.28	2.61	198	0.24	0.28	2.59	196	0.24	0.28	2.5	193	5
SS 08	Green	6	31	49	3	16	81	0.15	0.17	2.42	128	0.14	0.17	2.27	123	0.14	0.16	2.24	121	0.14	0.16	2.12	118	2
SS 14	Green	10	25	44	6	13	81	0.18	0.21	2.53	151	0.17	0.2	2.4	147	0.17	0.2	2.37	145	0.17	0.2	2.26	142	4
SS 20	Green	15	19	38	8	11	81	0.21	0.24	2.59	174	0.2	0.24	2.46	170	0.2	0.24	2.44	168	0.2	0.23	2.34	165	5
SS 35	Green	25	12	27	14	8	78	0.27	0.32	2.72	220	0.27	0.31	2.61	217	0.27	0.31	2.59	215	0.26	0.31	2.5	213	8
SS 08	Grey	3	14	49	3	14	83	0.15	0.18	2.42	130	0.15	0.17	2.27	126	0.14	0.17	2.24	123	0.14	0.16	2.12	120	2
SS 14	Grey	6	12	44	6	11	83	0.18	0.21	2.53	153	0.18	0.21	2.4	149	0.17	0.2	2.37	147	0.17	0.2	2.26	144	3
SS 20	Grey	9	10	38	8	10	82	0.21	0.25	2.59	176	0.21	0.24	2.46	172	0.2	0.24	2.44	170	0.2	0.24	2.34	167	5
SS 35	Grey	15	7	27	14	7	79	0.27	0.32	2.72	221	0.27	0.31	2.61	218	0.27	0.31	2.59	216	0.26	0.31	2.5	214	8

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
Production and measurement tolerances are in accordance with applicable standards and procedures.
Evergreen® is the registered trademark of Pilkington. RHG has been calculated using SC. and U. value to 5 decimal places for accuracy.
Azurlite® is the registered trademark of PPG Industries.

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Karat (KR) Coating Series — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
KR 1	Azurlite	11	31	17	5	15	80	0.16	0.19	2.48	141	0.16	0.19	2.34	136	0.16	0.18	2.31	134	0.15	0.18	2.2	131	4
KR HLT	Azurlite	20	30	13	8	14	78	0.2	0.24	2.6	169	0.2	0.23	2.47	165	0.2	0.23	2.45	163	0.19	0.23	2.35	160	8
KR 48	Azurlite	33	23	14	14	11	75	0.26	0.31	2.76	216	0.26	0.3	2.65	212	0.26	0.3	2.62	211	0.26	0.3	2.54	208	14
KR 1	Blue Green	13	36	17	7	19	74	0.18	0.21	2.48	149	0.17	0.2	2.34	145	0.17	0.2	2.31	143	0.17	0.2	2.2	140	3
KR HLT	Blue Green	22	35	13	12	18	70	0.23	0.26	2.6	187	0.22	0.26	2.47	183	0.22	0.26	2.45	182	0.22	0.26	2.35	179	6
KR 48	Blue Green	36	27	14	21	14	65	0.32	0.37	2.76	257	0.32	0.37	2.65	254	0.32	0.37	2.62	253	0.31	0.37	2.54	251	11
KR 1	Blue	9	22	17	6	16	78	0.18	0.21	2.48	150	0.17	0.2	2.34	145	0.17	0.2	2.31	143	0.17	0.2	2.2	140	3
KR HLT	Blue	16	22	12	11	15	74	0.23	0.26	2.6	187	0.22	0.26	2.47	183	0.22	0.26	2.45	181	0.22	0.25	2.35	178	6
KR 48	Blue	27	17	14	20	11	69	0.31	0.37	2.76	252	0.31	0.36	2.65	249	0.31	0.36	2.62	248	0.31	0.36	2.54	245	11
KR 1	Bronze	8	17	17	6	15	79	0.18	0.21	2.48	150	0.17	0.2	2.34	146	0.17	0.2	2.31	144	0.17	0.2	2.2	141	2
KR HLT	Bronze	13	16	12	11	13	76	0.23	0.26	2.6	187	0.22	0.26	2.47	183	0.22	0.26	2.45	181	0.22	0.25	2.35	179	3
KR 48	Bronze	22	13	14	19	10	71	0.32	0.37	2.76	253	0.31	0.36	2.65	250	0.31	0.36	2.62	249	0.31	0.36	2.54	246	6
KR 1	Clear	15	49	17	11	37	52	0.19	0.22	2.48	156	0.18	0.21	2.34	153	0.18	0.21	2.31	152	0.18	0.21	2.2	149	6
KR HLT	Clear	26	47	13	19	33	48	0.27	0.31	2.6	217	0.27	0.31	2.47	214	0.27	0.31	2.45	213	0.26	0.31	2.35	211	12
KR 48	Clear	43	35	14	34	23	43	0.42	0.49	2.76	330	0.42	0.49	2.65	327	0.42	0.49	2.62	327	0.42	0.48	2.54	325	21
KR 1	Evergreen	11	29	17	5	13	82	0.17	0.2	2.48	143	0.16	0.19	2.34	139	0.16	0.19	2.31	137	0.16	0.18	2.2	134	1
KR HLT	Evergreen	19	27	13	8	13	79	0.21	0.24	2.6	172	0.2	0.24	2.47	168	0.2	0.23	2.45	166	0.2	0.23	2.35	163	3
KR 48	Evergreen	32	22	14	15	10	75	0.27	0.32	2.76	221	0.27	0.31	2.65	217	0.27	0.31	2.62	216	0.26	0.31	2.54	214	5

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
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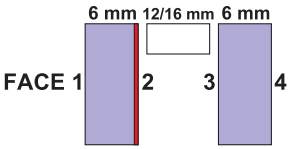
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Karat (KR) Coating Series — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
KR 1	Green	12	35	17	6	17	77	0.17	0.2	2.48	148	0.17	0.2	2.34	143	0.17	0.2	2.31	141	0.16	0.19	2.2	138	2
KR HLT	Green	21	33	13	11	16	73	0.22	0.26	2.6	183	0.22	0.25	2.47	179	0.22	0.25	2.45	178	0.21	0.25	2.35	175	5
KR 48	Green	35	25	14	19	13	68	0.3	0.35	2.76	245	0.3	0.35	2.65	242	0.3	0.35	2.62	241	0.3	0.35	2.54	238	8
KR 1	Grey	7	16	17	6	14	80	0.18	0.21	2.48	149	0.17	0.2	2.34	145	0.17	0.2	2.31	143	0.17	0.19	2.2	140	2
KR HLT	Grey	13	15	12	10	13	77	0.22	0.26	2.6	185	0.22	0.26	2.47	181	0.22	0.25	2.45	179	0.21	0.25	2.35	177	4
KR 48	Grey	21	12	14	19	10	71	0.31	0.36	2.76	248	0.31	0.36	2.65	245	0.3	0.35	2.62	244	0.3	0.35	2.54	242	8

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
Production and measurement tolerances are in accordance with applicable standards and procedures.
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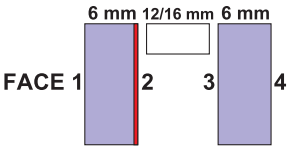
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Chrome Silver (CS) Coating Series — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
CS 08	Azurlite	6	25	49	3	12	85	0.15	0.17	2.43	129	0.14	0.17	2.28	124	0.14	0.16	2.26	122	0.14	0.16	2.14	118	4
CS 14	Azurlite	10	19	44	5	10	85	0.17	0.2	2.55	149	0.17	0.2	2.42	144	0.17	0.2	2.4	142	0.16	0.19	2.29	139	6
CS 20	Azurlite	14	16	39	7	9	84	0.19	0.23	2.59	164	0.19	0.22	2.46	160	0.19	0.22	2.44	158	0.18	0.22	2.34	155	9
CS 35	Azurlite	23	12	33	11	7	82	0.24	0.28	2.77	201	0.24	0.28	2.66	197	0.24	0.28	2.64	196	0.23	0.27	2.56	193	13
CS 08	Blue Green	7	29	49	4	16	80	0.15	0.18	2.43	133	0.15	0.18	2.28	128	0.15	0.17	2.26	126	0.14	0.17	2.14	123	3
CS 14	Blue Green	11	22	44	7	13	80	0.19	0.22	2.55	160	0.18	0.22	2.42	155	0.18	0.21	2.4	154	0.18	0.21	2.29	151	5
CS 20	Blue Green	16	18	39	10	11	79	0.22	0.26	2.59	182	0.21	0.25	2.46	177	0.21	0.25	2.44	176	0.21	0.25	2.34	173	7
CS 35	Blue Green	26	13	33	16	8	76	0.29	0.34	2.77	234	0.28	0.33	2.66	230	0.28	0.33	2.64	229	0.28	0.33	2.56	226	10
CS 08	Blue	5	18	49	4	14	82	0.16	0.18	2.43	134	0.15	0.18	2.28	130	0.15	0.17	2.26	127	0.14	0.17	2.14	124	3
CS 14	Blue	8	14	44	6	11	83	0.19	0.22	2.55	159	0.18	0.22	2.42	155	0.18	0.21	2.4	153	0.18	0.21	2.29	150	5
CS 20	Blue	12	12	39	9	10	81	0.22	0.25	2.59	180	0.21	0.25	2.46	176	0.21	0.25	2.44	174	0.21	0.24	2.34	171	7
CS 35	Blue	19	9	33	15	7	78	0.28	0.33	2.77	230	0.28	0.33	2.66	226	0.28	0.32	2.64	225	0.28	0.32	2.56	222	11
CS 08	Bronze	4	14	49	4	13	83	0.16	0.18	2.43	135	0.15	0.18	2.28	130	0.15	0.17	2.26	128	0.14	0.17	2.14	124	2
CS 14	Bronze	7	11	44	6	11	83	0.19	0.22	2.55	159	0.18	0.22	2.42	155	0.18	0.21	2.4	153	0.18	0.21	2.29	150	3
CS 20	Bronze	10	10	39	9	10	81	0.22	0.25	2.59	179	0.21	0.25	2.46	175	0.21	0.24	2.44	173	0.21	0.24	2.34	170	4
CS 35	Bronze	16	8	33	15	7	78	0.28	0.33	2.77	230	0.28	0.33	2.66	227	0.28	0.32	2.64	225	0.28	0.32	2.55	223	6
CS 08	Clear	8	39	49	7	31	62	0.16	0.18	2.43	134	0.15	0.18	2.28	130	0.15	0.18	2.26	128	0.15	0.17	2.14	125	6
CS 14	Clear	13	29	44	11	24	65	0.21	0.24	2.55	174	0.21	0.24	2.42	170	0.2	0.24	2.4	169	0.2	0.24	2.29	166	9
CS 20	Clear	19	23	39	15	20	65	0.26	0.3	2.59	210	0.26	0.3	2.46	206	0.25	0.3	2.44	205	0.25	0.29	2.34	203	14
CS 35	Clear	30	17	33	26	13	61	0.37	0.43	2.77	293	0.37	0.43	2.66	290	0.37	0.43	2.64	289	0.37	0.42	2.55	287	20

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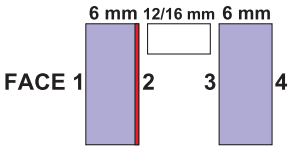
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Chrome Silver (CS) Coating Series — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
CS 08	Evergreen	6	24	49	3	11	86	0.15	0.18	2.43	130	0.14	0.17	2.28	125	0.14	0.17	2.26	123	0.14	0.16	2.14	120	1
CS 14	Evergreen	10	18	44	5	9	86	0.18	0.21	2.55	150	0.17	0.2	2.42	146	0.17	0.2	2.4	144	0.17	0.19	2.29	141	2
CS 20	Evergreen	14	15	39	7	8	85	0.2	0.23	2.59	166	0.19	0.23	2.46	162	0.19	0.22	2.44	160	0.19	0.22	2.34	157	3
CS 35	Evergreen	23	11	33	11	7	82	0.25	0.29	2.77	204	0.24	0.28	2.66	200	0.24	0.28	2.64	199	0.24	0.28	2.56	196	5
CS 08	Green	6	28	49	4	14	82	0.15	0.18	2.43	132	0.15	0.17	2.28	127	0.15	0.17	2.26	125	0.14	0.17	2.14	122	2
CS 14	Green	11	21	44	6	12	82	0.18	0.22	2.55	157	0.18	0.21	2.42	152	0.18	0.21	2.4	150	0.17	0.21	2.29	147	4
CS 20	Green	15	17	39	9	10	81	0.21	0.25	2.59	176	0.21	0.24	2.46	172	0.21	0.24	2.44	170	0.2	0.24	2.34	167	5
CS 35	Green	25	13	33	14	8	78	0.27	0.32	2.77	224	0.27	0.32	2.66	220	0.27	0.31	2.64	219	0.27	0.31	2.56	216	8
CS 08	Grey	4	13	49	4	13	83	0.16	0.18	2.43	134	0.15	0.18	2.28	130	0.15	0.17	2.26	127	0.14	0.17	2.14	124	2
CS 14	Grey	7	11	44	6	11	83	0.19	0.22	2.55	158	0.18	0.21	2.42	154	0.18	0.21	2.4	152	0.18	0.21	2.29	149	3
CS 20	Grey	9	9	39	9	9	82	0.21	0.25	2.59	178	0.21	0.24	2.46	173	0.21	0.24	2.44	172	0.2	0.24	2.34	169	5
CS 35	Grey	15	8	33	14	7	79	0.28	0.32	2.77	227	0.27	0.32	2.66	223	0.27	0.32	2.64	222	0.27	0.32	2.55	219	7

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
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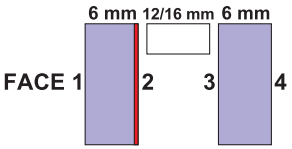
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Chrome Silver (CSILR) Coating Series — 28mm (6/16/6) Insulating Glass Units



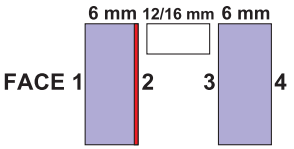
DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
CS ILR	Azurlite	14	24	21	6	12	82	0.18	0.21	2.49	154	0.18	0.21	2.36	150	0.18	0.21	2.33	148	0.17	0.2	2.22	145	7
CS ILR	Blue Green	16	28	21	9	15	76	0.2	0.23	2.49	167	0.2	0.23	2.36	162	0.19	0.23	2.33	161	0.19	0.22	2.22	157	5
CS ILR	Blue	12	18	21	8	13	79	0.2	0.23	2.49	165	0.19	0.23	2.36	160	0.19	0.22	2.33	159	0.19	0.22	2.22	156	6
CS ILR	Bronze	10	14	21	8	13	79	0.2	0.23	2.49	163	0.19	0.22	2.36	159	0.19	0.22	2.33	157	0.19	0.22	2.22	154	3
CS ILR	Clear	19	38	21	14	29	57	0.22	0.26	2.49	183	0.22	0.26	2.36	180	0.22	0.25	2.33	178	0.22	0.25	2.22	176	10
CS ILR	Evergreen	14	23	21	6	11	83	0.18	0.22	2.49	155	0.18	0.21	2.36	151	0.18	0.21	2.33	149	0.17	0.2	2.22	146	3
CS ILR	Green	15	27	21	8	14	78	0.19	0.23	2.49	163	0.19	0.22	2.36	159	0.19	0.22	2.33	157	0.18	0.22	2.22	154	4
CS ILR	Grey	9	13	21	7	12	81	0.19	0.23	2.49	163	0.19	0.22	2.36	158	0.19	0.22	2.33	156	0.18	0.22	2.22	153	4

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
Production and measurement tolerances are in accordance with applicable standards and procedures.
Evergreen® is the registered trademark of Pilkington. RHG has been calculated using SC. and U. value to 5 decimal places for accuracy.
Azurlite® is the registered trademark of PPG Industries.

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Azura Blue (AB) Coating Series — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
AB 08	Azurlite	5	21	52	2	11	87	0.14	0.17	2.36	124	0.14	0.16	2.21	119	0.13	0.16	2.18	116	0.13	0.15	2.05	113	2
AB 14	Azurlite	10	16	47	4	10	86	0.17	0.19	2.44	142	0.16	0.19	2.3	137	0.16	0.19	2.27	134	0.15	0.18	2.16	131	4
AB 20	Azurlite	13	14	42	6	9	85	0.18	0.22	2.54	156	0.18	0.21	2.4	152	0.18	0.21	2.37	150	0.17	0.2	2.27	147	6
AB 30	Azurlite	20	12	31	9	8	83	0.23	0.26	2.74	188	0.22	0.26	2.63	184	0.22	0.26	2.61	182	0.22	0.25	2.52	180	9
AB 08	Blue Green	6	25	52	4	14	82	0.15	0.18	2.36	130	0.15	0.17	2.21	125	0.14	0.17	2.18	123	0.14	0.16	2.05	120	2
AB 14	Blue Green	11	18	47	6	11	83	0.18	0.21	2.44	154	0.18	0.21	2.3	150	0.18	0.21	2.27	147	0.17	0.2	2.16	144	3
AB 20	Blue Green	15	16	42	9	10	81	0.21	0.24	2.54	174	0.2	0.24	2.4	169	0.2	0.24	2.37	168	0.2	0.23	2.27	165	5
AB 30	Blue Green	22	13	31	14	8	78	0.27	0.31	2.74	218	0.26	0.31	2.63	215	0.26	0.31	2.61	214	0.26	0.3	2.52	211	7
AB 08	Blue	4	16	52	4	12	84	0.15	0.18	2.36	131	0.15	0.17	2.21	126	0.14	0.17	2.18	124	0.14	0.17	2.05	121	2
AB 14	Blue	8	12	47	6	10	84	0.18	0.21	2.44	154	0.18	0.21	2.3	149	0.17	0.2	2.27	147	0.17	0.2	2.16	144	3
AB 20	Blue	11	11	42	8	9	83	0.21	0.24	2.54	172	0.2	0.24	2.4	168	0.2	0.23	2.37	166	0.2	0.23	2.27	163	5
AB 30	Blue	16	9	31	13	7	80	0.26	0.31	2.74	216	0.26	0.3	2.63	212	0.26	0.3	2.61	211	0.26	0.3	2.52	208	8
AB 08	Bronze	4	12	52	4	11	85	0.16	0.18	2.36	133	0.15	0.18	2.21	128	0.15	0.17	2.18	126	0.14	0.17	2.05	122	1
AB 14	Bronze	7	10	47	6	9	85	0.18	0.22	2.44	155	0.18	0.21	2.3	150	0.18	0.21	2.27	148	0.17	0.2	2.16	145	2
AB 20	Bronze	9	9	42	8	8	84	0.21	0.24	2.54	173	0.2	0.24	2.4	169	0.2	0.24	2.37	167	0.2	0.23	2.27	164	3
AB 30	Bronze	14	7	31	13	7	80	0.27	0.31	2.74	218	0.26	0.31	2.63	215	0.26	0.31	2.61	213	0.26	0.3	2.52	211	4
AB 08	Clear	7	32	52	6	26	68	0.16	0.19	2.36	135	0.15	0.18	2.21	131	0.15	0.18	2.18	129	0.15	0.17	2.05	126	3
AB 14	Clear	13	23	47	11	19	70	0.21	0.24	2.44	173	0.2	0.24	2.3	169	0.2	0.24	2.27	167	0.2	0.23	2.16	164	6
AB 20	Clear	17	20	42	14	16	70	0.25	0.29	2.54	203	0.25	0.29	2.4	199	0.24	0.28	2.37	198	0.24	0.28	2.27	195	9
AB 30	Clear	26	16	31	23	12	65	0.34	0.4	2.74	272	0.34	0.39	2.63	269	0.34	0.39	2.61	268	0.34	0.39	2.52	266	14

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
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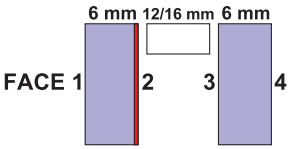
Azurlite® is the registered trademark of PPG Industries.

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Azura Blue (AB) Coating Series — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
AB 08	Evergreen	5	20	52	3	10	87	0.15	0.17	2.36	126	0.14	0.17	2.21	121	0.14	0.16	2.18	119	0.13	0.16	2.05	115	1
AB 14	Evergreen	10	15	47	5	9	86	0.17	0.2	2.44	144	0.16	0.19	2.3	140	0.16	0.19	2.27	137	0.16	0.19	2.16	134	1
AB 20	Evergreen	13	13	42	6	8	86	0.19	0.22	2.54	159	0.18	0.22	2.4	155	0.18	0.21	2.37	153	0.18	0.21	2.27	149	2
AB 30	Evergreen	19	11	31	10	7	83	0.23	0.27	2.74	193	0.23	0.27	2.63	189	0.23	0.26	2.61	187	0.22	0.26	2.52	185	3
AB 08	Green	6	23	52	3	13	84	0.15	0.18	2.36	129	0.14	0.17	2.21	124	0.14	0.17	2.18	122	0.14	0.16	2.05	118	1
AB 14	Green	11	17	47	6	10	84	0.18	0.21	2.44	151	0.17	0.2	2.3	146	0.17	0.2	2.27	144	0.17	0.2	2.16	141	2
AB 20	Green	14	15	42	8	9	83	0.2	0.24	2.54	169	0.2	0.23	2.4	164	0.2	0.23	2.37	163	0.19	0.22	2.27	160	4
AB 30	Green	21	12	31	12	8	80	0.26	0.3	2.74	210	0.25	0.29	2.63	206	0.25	0.29	2.61	205	0.25	0.29	2.52	202	6
AB 08	Grey	4	11	51	4	11	85	0.15	0.18	2.36	133	0.15	0.17	2.21	128	0.15	0.17	2.18	125	0.14	0.17	2.05	122	1
AB 14	Grey	6	9	47	6	9	85	0.18	0.21	2.44	154	0.18	0.21	2.3	149	0.17	0.2	2.27	147	0.17	0.2	2.16	143	2
AB 20	Grey	9	8	42	8	8	84	0.21	0.24	2.54	171	0.2	0.23	2.4	167	0.2	0.23	2.37	165	0.19	0.23	2.27	162	3
AB 30	Grey	13	7	31	13	7	80	0.26	0.31	2.74	215	0.26	0.3	2.63	211	0.26	0.3	2.61	210	0.25	0.3	2.52	207	5

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
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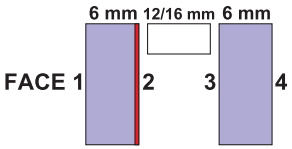
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Azura Blue (ABILR) Coating Series — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
AB ILR	Azurlite	15	20	23	6	11	83	0.18	0.22	2.51	155	0.18	0.21	2.37	151	0.18	0.21	2.34	149	0.17	0.2	2.24	146	5
AB ILR 12	Azurlite	8	23	20	3	12	85	0.15	0.18	2.35	129	0.14	0.17	2.19	124	0.14	0.17	2.16	121	0.14	0.16	2.04	118	1
AB ILR 19	Azurlite	13	21	18	5	11	84	0.17	0.2	2.43	144	0.16	0.19	2.28	139	0.16	0.19	2.26	137	0.16	0.19	2.14	134	2
AB ILR	Blue Green	17	22	23	9	13	78	0.21	0.24	2.51	172	0.2	0.24	2.37	167	0.2	0.23	2.34	166	0.2	0.23	2.24	163	4
AB ILR 12	Blue Green	9	27	20	5	15	80	0.16	0.19	2.35	138	0.16	0.18	2.19	133	0.15	0.18	2.16	131	0.15	0.18	2.04	127	1
AB ILR 19	Blue Green	14	25	18	8	14	78	0.19	0.22	2.43	158	0.18	0.21	2.28	153	0.18	0.21	2.26	151	0.18	0.21	2.14	148	2
AB ILR	Blue	13	15	23	8	11	81	0.2	0.24	2.51	170	0.2	0.23	2.37	165	0.2	0.23	2.34	163	0.19	0.23	2.24	160	4
AB ILR 12	Blue	7	17	20	5	13	82	0.16	0.19	2.35	138	0.16	0.18	2.19	133	0.15	0.18	2.16	131	0.15	0.18	2.04	127	1
AB ILR 19	Blue	11	16	18	7	12	81	0.19	0.22	2.43	157	0.18	0.21	2.28	152	0.18	0.21	2.26	150	0.18	0.21	2.14	147	2
AB ILR	Bronze	10	11	23	8	10	82	0.2	0.24	2.51	171	0.2	0.23	2.37	166	0.2	0.23	2.34	164	0.19	0.23	2.23	161	2
AB ILR 12	Bronze	6	13	20	5	13	82	0.16	0.19	2.35	140	0.16	0.19	2.19	135	0.16	0.18	2.16	132	0.15	0.18	2.04	129	1
AB ILR 19	Bronze	9	12	18	7	12	81	0.19	0.22	2.43	158	0.18	0.21	2.28	153	0.18	0.21	2.26	151	0.18	0.21	2.14	148	1
AB ILR	Clear	20	29	23	14	22	64	0.24	0.28	2.51	197	0.24	0.28	2.37	193	0.24	0.27	2.34	191	0.23	0.27	2.23	189	7
AB ILR 12	Clear	11	36	20	9	29	62	0.17	0.2	2.35	146	0.17	0.2	2.19	142	0.17	0.2	2.16	140	0.16	0.19	2.04	137	2
AB ILR 19	Clear	17	32	18	12	27	61	0.21	0.25	2.43	175	0.21	0.24	2.28	171	0.21	0.24	2.26	170	0.2	0.24	2.14	167	3
AB ILR	Evergreen	15	18	23	7	10	83	0.19	0.22	2.51	159	0.18	0.21	2.37	154	0.18	0.21	2.34	152	0.18	0.21	2.24	149	2
AB ILR 12	Evergreen	8	22	20	4	11	85	0.15	0.18	2.35	132	0.15	0.17	2.19	127	0.15	0.17	2.16	124	0.14	0.17	2.04	121	1
AB ILR 19	Evergreen	13	20	18	5	10	85	0.17	0.2	2.43	148	0.17	0.2	2.28	143	0.17	0.19	2.26	141	0.16	0.19	2.14	137	1

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
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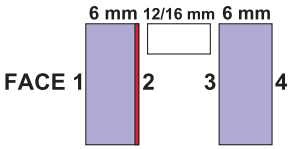
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Azura Blue (ABILR) Coating Series — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
AB ILR	Green	16	21	23	8	12	80	0.2	0.23	2.51	167	0.2	0.23	2.37	163	0.19	0.23	2.34	161	0.19	0.22	2.24	158	3
AB ILR 12	Green	9	26	20	5	14	81	0.16	0.19	2.35	136	0.15	0.18	2.19	131	0.15	0.18	2.16	129	0.15	0.17	2.04	125	1
AB ILR 19	Green	14	23	18	7	13	80	0.18	0.21	2.43	155	0.18	0.21	2.28	150	0.18	0.21	2.26	148	0.17	0.2	2.14	145	1
AB ILR	Grey	10	11	23	8	10	82	0.2	0.24	2.51	169	0.2	0.23	2.37	164	0.19	0.23	2.34	162	0.19	0.22	2.23	159	3
AB ILR 12	Grey	6	12	20	5	12	83	0.16	0.19	2.35	139	0.16	0.18	2.19	134	0.15	0.18	2.16	131	0.15	0.18	2.04	128	1
AB ILR 19	Grey	8	11	18	7	11	82	0.19	0.22	2.43	156	0.18	0.21	2.28	151	0.18	0.21	2.26	149	0.17	0.21	2.14	146	1

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
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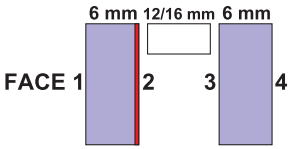
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Dark Bronze (DB) Coating Series — 28mm (6/16/6) Insulating Glass Units



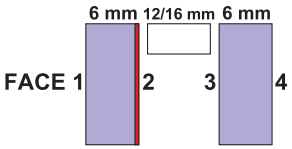
DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
DB 08	Azurlite	6	19	53	3	9	88	0.15	0.17	2.36	127	0.14	0.17	2.21	122	0.14	0.16	2.18	119	0.13	0.16	2.05	116	3
DB 14	Azurlite	9	15	47	4	8	88	0.17	0.2	2.43	142	0.16	0.19	2.28	137	0.16	0.19	2.26	135	0.15	0.18	2.14	131	5
DB 20	Azurlite	14	12	44	6	7	87	0.19	0.23	2.54	163	0.19	0.22	2.41	158	0.19	0.22	2.38	156	0.18	0.21	2.28	153	8
DB 35	Azurlite	24	10	36	11	6	83	0.25	0.29	2.76	202	0.24	0.28	2.65	198	0.24	0.28	2.63	197	0.24	0.28	2.54	194	14
DB 08	Blue Green	6	22	53	4	13	83	0.15	0.18	2.36	131	0.15	0.17	2.21	126	0.14	0.17	2.18	124	0.14	0.17	2.05	121	2
DB 14	Blue Green	10	17	47	6	11	83	0.18	0.21	2.43	151	0.17	0.2	2.28	146	0.17	0.2	2.26	144	0.17	0.2	2.14	141	4
DB 20	Blue Green	16	13	44	9	9	82	0.22	0.25	2.54	178	0.21	0.25	2.41	174	0.21	0.24	2.38	172	0.21	0.24	2.28	169	6
DB 35	Blue Green	26	11	36	16	7	77	0.29	0.34	2.76	233	0.28	0.33	2.65	230	0.28	0.33	2.63	229	0.28	0.33	2.54	226	11
DB 08	Blue	5	14	53	4	12	84	0.15	0.18	2.36	131	0.15	0.17	2.21	126	0.14	0.17	2.18	124	0.14	0.17	2.05	121	2
DB 14	Blue	8	11	47	6	10	84	0.18	0.21	2.43	149	0.17	0.2	2.28	145	0.17	0.2	2.26	142	0.17	0.19	2.14	139	4
DB 20	Blue	12	9	44	8	8	84	0.21	0.25	2.54	176	0.21	0.24	2.41	171	0.2	0.24	2.38	169	0.2	0.24	2.28	166	7
DB 35	Blue	20	8	36	15	7	78	0.28	0.33	2.76	229	0.28	0.32	2.65	225	0.28	0.32	2.63	224	0.27	0.32	2.54	221	11
DB 08	Bronze	4	11	53	4	13	83	0.15	0.18	2.36	130	0.15	0.17	2.21	126	0.14	0.17	2.18	123	0.14	0.16	2.05	120	1
DB 14	Bronze	6	9	47	5	10	85	0.17	0.2	2.43	148	0.17	0.2	2.28	143	0.17	0.2	2.26	141	0.16	0.19	2.14	138	2
DB 20	Bronze	10	8	44	8	9	83	0.21	0.24	2.54	174	0.2	0.24	2.41	169	0.2	0.24	2.38	167	0.2	0.23	2.28	164	4
DB 35	Bronze	16	7	36	15	7	78	0.28	0.33	2.76	228	0.28	0.32	2.65	224	0.28	0.32	2.63	223	0.27	0.32	2.54	220	6
DB 08	Clear	8	29	53	6	27	67	0.15	0.18	2.36	132	0.15	0.17	2.21	128	0.15	0.17	2.18	126	0.14	0.17	2.05	123	4
DB 14	Clear	12	22	47	9	21	70	0.19	0.23	2.43	162	0.19	0.22	2.28	158	0.19	0.22	2.26	156	0.19	0.22	2.14	153	7
DB 20	Clear	18	17	44	14	16	70	0.25	0.29	2.54	204	0.25	0.29	2.41	201	0.25	0.29	2.38	199	0.24	0.28	2.28	196	12
DB 35	Clear	31	14	36	25	12	63	0.37	0.43	2.76	290	0.36	0.42	2.65	288	0.36	0.42	2.63	287	0.36	0.42	2.54	285	20

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
Production and measurement tolerances are in accordance with applicable standards and procedures.
Evergreen® is the registered trademark of Pilkington. RHG has been calculated using SC. and U. value to 5 decimal places for accuracy.
Azurlite® is the registered trademark of PPG Industries.

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Dark Bronze (DB) Coating Series — 28mm (6/16/6) Insulating Glass Units



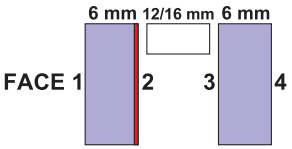
DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
DB 08	Evergreen	6	18	53	3	9	88	0.15	0.17	2.36	128	0.14	0.17	2.21	123	0.14	0.16	2.18	120	0.14	0.16	2.05	117	1
DB 14	Evergreen	9	14	47	4	8	88	0.17	0.2	2.43	143	0.16	0.19	2.28	138	0.16	0.19	2.26	135	0.16	0.18	2.14	132	2
DB 20	Evergreen	14	11	44	7	7	86	0.19	0.23	2.54	164	0.19	0.22	2.41	159	0.19	0.22	2.38	157	0.18	0.22	2.28	154	3
DB 35	Evergreen	23	10	36	11	6	83	0.25	0.29	2.76	205	0.24	0.29	2.65	201	0.24	0.28	2.63	199	0.24	0.28	2.54	197	5
DB 08	Green	6	21	53	3	12	85	0.15	0.18	2.36	130	0.15	0.17	2.21	125	0.14	0.17	2.18	123	0.14	0.16	2.05	119	2
DB 14	Green	10	16	47	5	10	85	0.17	0.2	2.43	148	0.17	0.2	2.28	143	0.17	0.2	2.26	141	0.16	0.19	2.14	138	3
DB 20	Green	15	13	44	8	8	84	0.21	0.24	2.54	173	0.2	0.24	2.41	169	0.2	0.24	2.38	167	0.2	0.23	2.28	164	5
DB 35	Green	25	11	36	14	7	79	0.27	0.32	2.76	224	0.27	0.32	2.65	220	0.27	0.31	2.63	219	0.27	0.31	2.54	216	8
DB 08	Grey	4	11	53	3	12	85	0.15	0.18	2.36	130	0.15	0.17	2.21	125	0.14	0.17	2.18	123	0.14	0.16	2.05	120	2
DB 14	Grey	6	9	47	5	10	85	0.17	0.2	2.43	147	0.17	0.2	2.28	143	0.17	0.19	2.26	140	0.16	0.19	2.14	137	3
DB 20	Grey	9	8	44	8	8	84	0.21	0.24	2.54	172	0.2	0.24	2.41	168	0.2	0.23	2.38	166	0.2	0.23	2.28	163	4
DB 35	Grey	15	7	36	14	7	79	0.28	0.32	2.76	224	0.27	0.32	2.65	221	0.27	0.32	2.63	220	0.27	0.31	2.54	217	7

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
Production and measurement tolerances are in accordance with applicable standards and procedures.
Evergreen® is the registered trademark of Pilkington. RHG has been calculated using SC. and U. value to 5 decimal places for accuracy.
Azurlite® is the registered trademark of PPG Industries.

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Original Gold (ORG) Coating Series — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
ORG	Azurlite	5	22	35	2	10	88	0.13	0.16	2.24	116	0.13	0.15	2.07	111	0.12	0.15	2.04	108	0.12	0.14	1.9	104	2
ORG	Blue Green	5	26	35	3	15	82	0.14	0.16	2.24	118	0.13	0.15	2.07	112	0.13	0.15	2.04	110	0.12	0.14	1.9	106	1
ORG	Blue	4	16	35	3	14	83	0.14	0.16	2.24	118	0.13	0.15	2.07	113	0.13	0.15	2.04	110	0.12	0.15	1.9	106	1
ORG	Bronze	3	13	35	3	14	83	0.13	0.16	2.24	117	0.13	0.15	2.07	112	0.13	0.15	2.04	109	0.12	0.14	1.9	106	1
ORG	Clear	6	34	35	5	33	62	0.13	0.15	2.24	112	0.12	0.14	2.07	107	0.12	0.14	2.04	105	0.12	0.14	1.9	102	2
ORG	Evergreen	4	21	35	2	10	88	0.13	0.16	2.24	117	0.13	0.15	2.07	111	0.12	0.15	2.04	108	0.12	0.14	1.9	105	1
ORG	Green	5	24	35	3	13	84	0.13	0.16	2.24	117	0.13	0.15	2.07	112	0.13	0.15	2.04	109	0.12	0.14	1.9	106	1
ORG	Grey	3	12	35	3	13	84	0.13	0.16	2.24	117	0.13	0.15	2.07	112	0.13	0.15	2.04	109	0.12	0.14	1.9	106	1

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
Production and measurement tolerances are in accordance with applicable standards and procedures.
Evergreen® is the registered trademark of Pilkington. RHG has been calculated using SC. and U. value to 5 decimal places for accuracy.
Azurlite® is the registered trademark of PPG Industries.

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

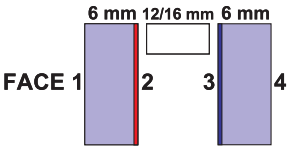
K-LITE®

SOLAR CONTROL INSULATING GLASS WITH LOW - E

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Sterling Silver (SS) Coating Series with Low-E — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
SS 08	Azurlite	5	27	39	2	13	85	0.1	0.12	1.7	91	0.1	0.12	1.46	84	0.09	0.11	1.41	79	0.09	0.1	1.21	75	3
SS 14	Azurlite	8	22	35	4	11	85	0.12	0.14	1.71	104	0.12	0.14	1.47	98	0.11	0.13	1.42	92	0.11	0.13	1.22	89	5
SS 20	Azurlite	13	17	30	5	9	86	0.14	0.17	1.71	119	0.14	0.16	1.47	112	0.13	0.15	1.42	107	0.13	0.15	1.22	103	7
SS 35	Azurlite	22	11	21	9	7	84	0.19	0.21	1.72	149	0.18	0.21	1.47	143	0.17	0.2	1.42	138	0.17	0.2	1.23	134	11
SS 08	Blue Green	5	32	39	3	18	79	0.11	0.13	1.7	94	0.1	0.12	1.46	88	0.1	0.11	1.41	83	0.09	0.11	1.21	79	2
SS 14	Blue Green	9	26	35	5	14	81	0.14	0.16	1.71	113	0.13	0.15	1.47	107	0.12	0.14	1.42	102	0.12	0.14	1.22	98	4
SS 20	Blue Green	14	19	30	8	12	80	0.16	0.19	1.71	133	0.16	0.18	1.47	127	0.15	0.18	1.42	122	0.15	0.17	1.22	119	5
SS 35	Blue Green	24	12	21	13	8	79	0.22	0.26	1.72	175	0.21	0.25	1.47	169	0.21	0.24	1.42	165	0.21	0.24	1.23	161	8
SS 08	Blue	4	20	39	3	15	82	0.11	0.13	1.7	94	0.1	0.12	1.46	88	0.1	0.11	1.41	83	0.09	0.11	1.21	80	2
SS 14	Blue	7	16	35	5	13	82	0.13	0.16	1.71	111	0.13	0.15	1.47	105	0.12	0.14	1.42	100	0.12	0.14	1.22	96	4
SS 20	Blue	11	13	30	7	10	83	0.16	0.19	1.71	130	0.15	0.18	1.47	124	0.15	0.17	1.42	119	0.14	0.17	1.22	115	5
SS 35	Blue	18	9	21	11	8	81	0.21	0.24	1.72	168	0.2	0.24	1.47	162	0.2	0.23	1.42	157	0.2	0.23	1.23	154	8
SS 08	Bronze	3	15	39	3	15	82	0.11	0.13	1.7	94	0.1	0.12	1.46	88	0.1	0.11	1.41	82	0.09	0.11	1.21	79	1
SS 14	Bronze	6	13	35	4	12	84	0.13	0.15	1.71	110	0.12	0.15	1.47	104	0.12	0.14	1.42	98	0.12	0.14	1.22	95	2
SS 20	Bronze	9	10	30	6	10	84	0.16	0.18	1.71	128	0.15	0.17	1.47	122	0.14	0.17	1.42	117	0.14	0.16	1.22	113	3
SS 35	Bronze	15	7	21	11	8	81	0.21	0.24	1.72	163	0.2	0.23	1.47	157	0.19	0.22	1.42	153	0.19	0.22	1.23	149	5
SS 08	Clear	6	43	39	5	36	59	0.11	0.13	1.7	95	0.11	0.12	1.46	89	0.1	0.12	1.41	86	0.1	0.12	1.21	83	4
SS 14	Clear	11	34	35	8	28	64	0.15	0.18	1.71	126	0.15	0.17	1.47	120	0.14	0.17	1.42	117	0.14	0.16	1.22	113	7
SS 20	Clear	17	25	30	12	22	66	0.2	0.23	1.71	159	0.19	0.23	1.47	154	0.19	0.22	1.42	151	0.19	0.22	1.22	147	10
SS 35	Clear	28	15	21	19	14	67	0.29	0.34	1.72	225	0.28	0.33	1.47	219	0.28	0.33	1.42	217	0.28	0.32	1.23	213	15

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
Production and measurement tolerances are in accordance with applicable standards and procedures.
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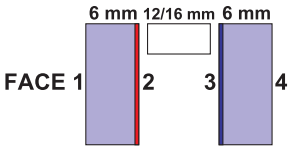
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Sterling Silver (SS) Coating Series with Low-E — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
SS 08	Evergreen	5	26	39	2	12	86	0.11	0.12	1.7	91	0.1	0.12	1.46	85	0.09	0.11	1.41	79	0.09	0.11	1.21	76	1
SS 14	Evergreen	8	21	35	4	10	86	0.12	0.14	1.71	104	0.12	0.14	1.47	98	0.11	0.13	1.42	93	0.11	0.13	1.22	89	2
SS 20	Evergreen	12	16	30	5	9	86	0.14	0.17	1.71	119	0.14	0.16	1.47	113	0.13	0.15	1.42	107	0.13	0.15	1.22	104	2
SS 35	Evergreen	21	10	21	9	7	84	0.19	0.22	1.72	149	0.18	0.21	1.47	143	0.17	0.2	1.42	138	0.17	0.2	1.23	134	4
SS 08	Green	5	30	39	3	16	81	0.11	0.13	1.7	93	0.1	0.12	1.46	87	0.1	0.11	1.41	82	0.09	0.11	1.21	78	2
SS 14	Green	9	24	35	5	13	82	0.13	0.15	1.71	110	0.12	0.15	1.47	104	0.12	0.14	1.42	98	0.12	0.14	1.22	95	3
SS 20	Green	14	19	30	7	11	82	0.16	0.18	1.71	129	0.15	0.18	1.47	122	0.14	0.17	1.42	117	0.14	0.17	1.22	114	4
SS 35	Green	23	12	21	11	8	81	0.21	0.24	1.72	166	0.2	0.24	1.47	160	0.2	0.23	1.42	156	0.19	0.23	1.23	152	6
SS 08	Grey	3	14	39	3	14	83	0.11	0.13	1.7	94	0.1	0.12	1.46	88	0.1	0.11	1.41	82	0.09	0.11	1.21	79	1
SS 14	Grey	6	12	35	4	12	84	0.13	0.15	1.71	109	0.12	0.15	1.47	103	0.12	0.14	1.42	98	0.11	0.13	1.22	94	3
SS 20	Grey	8	10	30	6	10	84	0.15	0.18	1.71	127	0.15	0.17	1.47	120	0.14	0.17	1.42	115	0.14	0.16	1.22	112	4
SS 35	Grey	14	7	21	10	7	83	0.2	0.23	1.72	161	0.2	0.23	1.47	155	0.19	0.22	1.42	150	0.19	0.22	1.23	146	6

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
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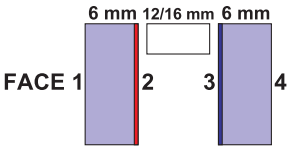
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Karat (KR) Coating Series with Low-E — 28mm (6/16/6) Insulating Glass Units



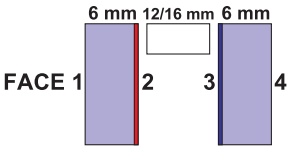
DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
KR 1	Azurlite	11	31	12	4	15	81	0.12	0.15	1.71	105	0.12	0.14	1.46	99	0.11	0.13	1.41	93	0.11	0.13	1.22	90	3
KR HLT	Azurlite	18	30	8	7	14	79	0.16	0.18	1.71	129	0.15	0.18	1.47	122	0.15	0.17	1.42	118	0.14	0.17	1.22	114	6
KR 48	Azurlite	30	22	10	12	11	77	0.21	0.25	1.72	168	0.21	0.24	1.48	162	0.2	0.23	1.43	158	0.2	0.23	1.23	154	10
KR 1	Blue Green	12	36	12	6	19	75	0.14	0.16	1.71	113	0.13	0.15	1.46	107	0.13	0.15	1.41	103	0.12	0.14	1.22	99	2
KR HLT	Blue Green	20	34	8	10	18	72	0.18	0.21	1.71	145	0.17	0.2	1.47	139	0.17	0.2	1.42	135	0.17	0.19	1.22	132	5
KR 48	Blue Green	34	26	10	17	14	69	0.26	0.3	1.72	203	0.25	0.29	1.48	197	0.25	0.29	1.43	194	0.25	0.29	1.23	190	8
KR 1	Blue	9	22	12	5	16	79	0.13	0.16	1.71	112	0.13	0.15	1.46	105	0.12	0.14	1.41	101	0.12	0.14	1.22	97	2
KR HLT	Blue	15	21	8	9	15	76	0.17	0.2	1.71	141	0.17	0.2	1.47	135	0.16	0.19	1.42	131	0.16	0.19	1.22	127	5
KR 48	Blue	25	16	9	15	12	73	0.25	0.29	1.72	194	0.24	0.28	1.48	188	0.24	0.27	1.43	184	0.23	0.27	1.23	180	8
KR 1	Bronze	7	17	12	5	15	80	0.13	0.15	1.71	110	0.13	0.15	1.46	104	0.12	0.14	1.41	99	0.12	0.14	1.22	96	1
KR HLT	Bronze	12	16	8	8	14	78	0.17	0.2	1.71	139	0.16	0.19	1.47	132	0.16	0.19	1.42	128	0.16	0.18	1.22	124	3
KR 48	Bronze	21	13	9	14	11	75	0.24	0.28	1.72	189	0.23	0.27	1.48	183	0.23	0.27	1.43	179	0.23	0.26	1.23	175	4
KR 1	Clear	14	49	12	9	37	54	0.15	0.17	1.71	124	0.15	0.17	1.46	118	0.14	0.17	1.41	116	0.14	0.16	1.22	112	4
KR HLT	Clear	24	46	8	15	34	51	0.22	0.26	1.71	175	0.22	0.25	1.47	170	0.22	0.25	1.42	169	0.21	0.25	1.22	165	9
KR 48	Clear	40	34	10	26	26	48	0.35	0.4	1.72	267	0.35	0.4	1.48	263	0.34	0.4	1.43	262	0.34	0.39	1.23	258	15
KR 1	Evergreen	10	29	12	4	13	83	0.13	0.15	1.71	106	0.12	0.14	1.46	100	0.11	0.13	1.41	94	0.11	0.13	1.22	91	1
KR HLT	Evergreen	17	27	8	7	13	80	0.16	0.18	1.71	129	0.15	0.18	1.47	123	0.15	0.17	1.42	118	0.14	0.17	1.22	114	2
KR 48	Evergreen	30	21	10	12	10	78	0.21	0.25	1.72	170	0.21	0.24	1.48	164	0.2	0.24	1.43	160	0.2	0.23	1.23	156	4

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
Production and measurement tolerances are in accordance with applicable standards and procedures.
Evergreen® is the registered trademark of Pilkington. RHG has been calculated using SC. and U. value to 5 decimal places for accuracy.
Azurlite® is the registered trademark of PPG Industries.

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Karat (KR) Coating Series with Low-E — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
KR 1	Green	11	34	12	5	17	78	0.13	0.15	1.71	111	0.13	0.15	1.46	105	0.12	0.14	1.41	100	0.12	0.14	1.22	97	2
KR HLT	Green	20	33	8	9	16	75	0.17	0.2	1.71	141	0.17	0.2	1.47	135	0.16	0.19	1.42	130	0.16	0.19	1.22	127	4
KR 48	Green	33	25	10	15	13	72	0.24	0.28	1.72	192	0.24	0.28	1.48	186	0.24	0.27	1.43	183	0.23	0.27	1.23	179	6
KR 1	Grey	7	16	12	5	14	81	0.13	0.15	1.71	110	0.12	0.15	1.46	103	0.12	0.14	1.41	98	0.12	0.14	1.22	95	2
KR HLT	Grey	12	15	8	8	13	79	0.17	0.2	1.71	137	0.16	0.19	1.47	131	0.16	0.18	1.42	126	0.15	0.18	1.22	123	3
KR 48	Grey	20	12	9	14	11	75	0.24	0.27	1.72	185	0.23	0.27	1.48	179	0.23	0.26	1.43	176	0.22	0.26	1.23	172	6

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
Production and measurement tolerances are in accordance with applicable standards and procedures.
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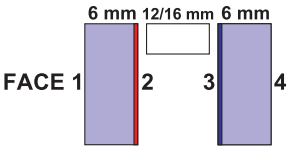
Azurlite® is the registered trademark of PPG Industries.

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Chrome Silver (CS) Coating Series with Low-E — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
CS 08	Azurlite	5	25	39	2	12	86	0.11	0.13	1.7	93	0.1	0.12	1.46	87	0.09	0.11	1.41	81	0.09	0.11	1.21	78	3
CS 14	Azurlite	9	19	35	4	10	86	0.13	0.15	1.71	107	0.12	0.14	1.47	100	0.11	0.13	1.42	95	0.11	0.13	1.22	92	5
CS 20	Azurlite	13	15	31	6	9	85	0.15	0.17	1.71	120	0.14	0.16	1.47	114	0.13	0.15	1.42	109	0.13	0.15	1.22	105	7
CS 35	Azurlite	22	11	26	9	7	84	0.18	0.21	1.72	148	0.18	0.21	1.48	142	0.17	0.2	1.43	137	0.17	0.2	1.23	133	10
CS 08	Blue Green	6	29	39	3	16	81	0.11	0.13	1.7	98	0.11	0.13	1.46	91	0.1	0.12	1.41	86	0.1	0.12	1.21	83	2
CS 14	Blue Green	10	22	35	5	13	82	0.14	0.16	1.71	117	0.13	0.16	1.47	110	0.13	0.15	1.42	105	0.12	0.15	1.22	102	4
CS 20	Blue Green	15	18	31	8	11	81	0.17	0.19	1.71	136	0.16	0.19	1.47	129	0.15	0.18	1.42	125	0.15	0.18	1.22	121	5
CS 35	Blue Green	24	13	26	13	9	78	0.22	0.26	1.72	175	0.21	0.25	1.48	169	0.21	0.24	1.43	165	0.21	0.24	1.23	161	8
CS 08	Blue	4	18	39	3	14	83	0.11	0.13	1.7	97	0.11	0.13	1.46	91	0.1	0.12	1.41	86	0.1	0.12	1.21	83	2
CS 14	Blue	8	14	35	5	11	84	0.14	0.16	1.71	115	0.13	0.15	1.47	108	0.13	0.15	1.42	103	0.12	0.14	1.22	100	4
CS 20	Blue	11	12	31	7	10	83	0.16	0.19	1.71	132	0.15	0.18	1.47	126	0.15	0.17	1.42	121	0.15	0.17	1.22	117	5
CS 35	Blue	18	9	26	11	8	81	0.21	0.25	1.72	168	0.21	0.24	1.48	162	0.2	0.23	1.43	158	0.2	0.23	1.23	154	8
CS 08	Bronze	4	14	39	3	14	83	0.11	0.13	1.7	97	0.11	0.13	1.46	91	0.1	0.12	1.41	85	0.1	0.11	1.21	82	1
CS 14	Bronze	6	11	35	5	11	84	0.14	0.16	1.71	113	0.13	0.15	1.47	107	0.12	0.14	1.42	102	0.12	0.14	1.22	98	2
CS 20	Bronze	9	10	31	7	10	83	0.16	0.18	1.71	129	0.15	0.18	1.47	123	0.15	0.17	1.42	118	0.14	0.17	1.22	115	3
CS 35	Bronze	15	8	26	11	8	81	0.21	0.24	1.72	165	0.2	0.23	1.48	158	0.2	0.23	1.43	154	0.19	0.22	1.23	150	4
CS 08	Clear	7	39	39	5	32	63	0.12	0.14	1.7	101	0.11	0.13	1.46	96	0.11	0.13	1.41	92	0.11	0.13	1.21	88	4
CS 14	Clear	12	29	35	8	25	67	0.16	0.19	1.71	132	0.16	0.18	1.47	126	0.15	0.18	1.42	123	0.15	0.17	1.22	119	7
CS 20	Clear	17	23	31	12	20	68	0.2	0.24	1.71	163	0.2	0.23	1.47	157	0.2	0.23	1.42	154	0.19	0.22	1.22	150	10
CS 35	Clear	28	16	26	19	15	66	0.29	0.34	1.72	226	0.29	0.33	1.48	220	0.28	0.33	1.43	218	0.28	0.32	1.23	214	14

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
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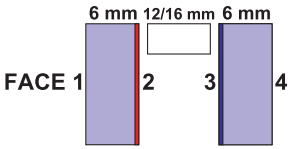
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Chrome Silver (CS) Coating Series with Low-E — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
CS 08	Evergreen	5	24	39	2	11	87	0.11	0.13	1.7	94	0.1	0.12	1.46	87	0.1	0.11	1.41	82	0.09	0.11	1.21	78	1
CS 14	Evergreen	9	18	35	4	9	87	0.13	0.15	1.71	107	0.12	0.14	1.47	101	0.11	0.13	1.42	95	0.11	0.13	1.22	92	2
CS 20	Evergreen	13	15	31	6	8	86	0.15	0.17	1.71	121	0.14	0.16	1.47	114	0.13	0.15	1.42	109	0.13	0.15	1.22	106	2
CS 35	Evergreen	21	11	26	9	7	84	0.18	0.21	1.72	149	0.18	0.21	1.48	142	0.17	0.2	1.43	137	0.17	0.2	1.23	134	4
CS 08	Green	6	28	39	3	14	83	0.11	0.13	1.7	96	0.11	0.12	1.46	90	0.1	0.12	1.41	85	0.1	0.11	1.21	81	2
CS 14	Green	10	21	35	5	12	83	0.14	0.16	1.71	113	0.13	0.15	1.47	107	0.12	0.14	1.42	102	0.12	0.14	1.22	99	3
CS 20	Green	14	17	31	7	10	83	0.16	0.19	1.71	131	0.15	0.18	1.47	124	0.15	0.17	1.42	119	0.14	0.17	1.22	116	4
CS 35	Green	23	12	26	11	8	81	0.21	0.24	1.72	166	0.2	0.24	1.48	160	0.2	0.23	1.43	155	0.19	0.23	1.23	152	6
CS 08	Grey	4	13	39	3	13	84	0.11	0.13	1.7	97	0.11	0.13	1.46	90	0.1	0.12	1.41	85	0.1	0.11	1.21	82	2
CS 14	Grey	6	11	35	5	11	84	0.13	0.16	1.71	112	0.13	0.15	1.47	106	0.12	0.14	1.42	101	0.12	0.14	1.22	97	2
CS 20	Grey	9	9	31	6	9	85	0.16	0.18	1.71	128	0.15	0.18	1.47	122	0.14	0.17	1.42	117	0.14	0.16	1.22	113	4
CS 35	Grey	14	7	26	10	8	82	0.2	0.24	1.72	162	0.2	0.23	1.48	156	0.19	0.22	1.43	151	0.19	0.22	1.23	148	5

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
Production and measurement tolerances are in accordance with applicable standards and procedures.
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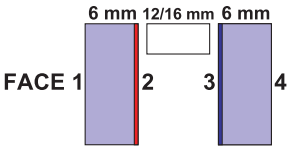
Azurlite® is the registered trademark of PPG Industries.

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Chrome Silver (CSILR) Coating Series with Low-E — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
CS ILR	Azurlite	13	24	16	6	12	82	0.14	0.16	1.71	117	0.13	0.16	1.46	111	0.13	0.15	1.41	105	0.12	0.15	1.22	102	5
CS ILR	Blue Green	15	28	16	7	15	78	0.16	0.18	1.71	129	0.15	0.18	1.46	122	0.15	0.17	1.41	118	0.14	0.17	1.22	114	4
CS ILR	Blue	11	18	15	7	13	80	0.15	0.18	1.71	125	0.15	0.17	1.46	119	0.14	0.16	1.41	114	0.14	0.16	1.22	110	4
CS ILR	Bronze	9	14	15	6	13	81	0.15	0.17	1.71	122	0.14	0.16	1.46	115	0.14	0.16	1.41	110	0.13	0.15	1.22	107	2
CS ILR	Clear	18	38	16	11	30	59	0.18	0.21	1.71	147	0.18	0.21	1.46	141	0.17	0.2	1.41	139	0.17	0.2	1.22	135	7
CS ILR	Evergreen	13	23	15	5	11	84	0.14	0.16	1.71	117	0.13	0.16	1.46	111	0.13	0.15	1.41	105	0.12	0.15	1.22	102	2
CS ILR	Green	14	27	16	7	14	79	0.15	0.18	1.71	125	0.15	0.17	1.46	118	0.14	0.16	1.41	114	0.14	0.16	1.22	110	3
CS ILR	Grey	9	13	15	6	12	82	0.15	0.17	1.71	121	0.14	0.16	1.46	114	0.13	0.16	1.41	109	0.13	0.15	1.22	106	3

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
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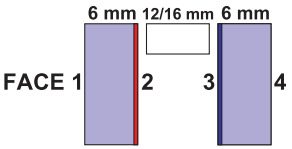
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Azura Blue (AB) Coating Series with Low-E — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
AB 08	Azurlite	5	21	42	2	11	87	0.11	0.12	1.7	91	0.1	0.12	1.46	85	0.09	0.11	1.41	79	0.09	0.11	1.21	76	2
AB 14	Azurlite	9	16	37	4	10	86	0.12	0.14	1.71	105	0.12	0.14	1.46	98	0.11	0.13	1.41	92	0.11	0.13	1.21	89	3
AB 20	Azurlite	12	14	34	5	9	86	0.14	0.16	1.71	115	0.13	0.15	1.47	109	0.13	0.15	1.42	103	0.12	0.14	1.22	100	5
AB 30	Azurlite	18	11	25	8	8	84	0.17	0.2	1.72	137	0.16	0.19	1.48	130	0.16	0.18	1.42	125	0.15	0.18	1.23	122	7
AB 08	Blue Green	5	25	42	3	14	83	0.11	0.13	1.7	97	0.11	0.13	1.46	91	0.1	0.12	1.41	86	0.1	0.12	1.21	82	1
AB 14	Blue Green	10	18	37	5	11	84	0.14	0.16	1.71	116	0.13	0.16	1.46	110	0.13	0.15	1.41	105	0.12	0.15	1.21	101	2
AB 20	Blue Green	13	16	34	7	10	83	0.16	0.19	1.71	131	0.15	0.18	1.47	125	0.15	0.17	1.42	120	0.14	0.17	1.22	116	4
AB 30	Blue Green	20	12	25	11	9	80	0.2	0.24	1.72	163	0.2	0.23	1.48	156	0.19	0.22	1.42	152	0.19	0.22	1.23	148	6
AB 08	Blue	4	16	42	3	12	85	0.11	0.13	1.7	97	0.11	0.13	1.46	91	0.1	0.12	1.41	85	0.1	0.12	1.21	82	1
AB 14	Blue	7	12	37	5	10	85	0.14	0.16	1.71	114	0.13	0.15	1.46	108	0.12	0.15	1.41	103	0.12	0.14	1.21	99	2
AB 20	Blue	10	11	34	6	9	85	0.16	0.18	1.71	128	0.15	0.17	1.47	121	0.14	0.17	1.42	116	0.14	0.16	1.22	113	4
AB 30	Blue	15	9	24	10	8	82	0.2	0.23	1.72	158	0.19	0.22	1.48	151	0.19	0.22	1.42	147	0.18	0.21	1.23	143	6
AB 08	Bronze	3	12	42	3	12	85	0.12	0.13	1.7	98	0.11	0.13	1.46	92	0.1	0.12	1.41	86	0.1	0.12	1.21	83	1
AB 14	Bronze	6	10	37	5	9	86	0.14	0.16	1.71	114	0.13	0.15	1.46	108	0.12	0.15	1.41	103	0.12	0.14	1.21	99	1
AB 20	Bronze	8	9	34	6	8	86	0.15	0.18	1.71	127	0.15	0.17	1.47	121	0.14	0.17	1.42	115	0.14	0.16	1.22	112	2
AB 30	Bronze	13	7	24	10	7	83	0.2	0.23	1.72	157	0.19	0.22	1.47	151	0.18	0.21	1.42	146	0.18	0.21	1.23	142	3
AB 08	Clear	6	32	42	5	26	69	0.12	0.14	1.7	104	0.12	0.14	1.46	98	0.11	0.13	1.41	94	0.11	0.13	1.21	91	2
AB 14	Clear	12	23	38	8	20	72	0.17	0.19	1.71	135	0.16	0.19	1.46	129	0.16	0.18	1.41	125	0.15	0.18	1.21	121	4
AB 20	Clear	16	20	34	11	17	72	0.2	0.23	1.71	158	0.19	0.22	1.47	152	0.19	0.22	1.42	148	0.18	0.21	1.22	145	7
AB 30	Clear	24	15	25	17	14	69	0.27	0.31	1.72	211	0.26	0.31	1.48	205	0.26	0.3	1.42	202	0.26	0.3	1.23	198	10

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
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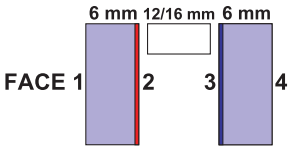
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Azura Blue (AB) Coating Series with Low-E — 28mm (6/16/6) Insulating Glass Units



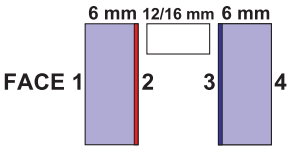
DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
AB 08	Evergreen	5	20	42	2	10	88	0.11	0.13	1.7	93	0.1	0.12	1.46	87	0.09	0.11	1.41	80	0.09	0.11	1.21	77	1
AB 14	Evergreen	9	15	37	4	9	87	0.13	0.15	1.71	106	0.12	0.14	1.46	100	0.11	0.13	1.41	94	0.11	0.13	1.21	91	1
AB 20	Evergreen	12	13	34	5	8	87	0.14	0.16	1.71	117	0.13	0.16	1.47	110	0.13	0.15	1.42	105	0.12	0.15	1.22	102	2
AB 30	Evergreen	18	11	24	8	7	85	0.17	0.2	1.72	139	0.16	0.19	1.48	133	0.16	0.18	1.42	128	0.16	0.18	1.23	124	3
AB 08	Green	5	23	42	3	13	84	0.11	0.13	1.7	96	0.11	0.12	1.46	90	0.1	0.12	1.41	84	0.1	0.11	1.21	81	1
AB 14	Green	10	17	37	5	10	85	0.14	0.16	1.71	113	0.13	0.15	1.46	107	0.12	0.14	1.41	101	0.12	0.14	1.21	98	2
AB 20	Green	13	15	34	6	9	85	0.15	0.18	1.71	126	0.15	0.17	1.47	120	0.14	0.16	1.42	115	0.14	0.16	1.22	111	3
AB 30	Green	20	12	25	10	8	82	0.19	0.22	1.72	155	0.19	0.22	1.48	148	0.18	0.21	1.42	144	0.18	0.21	1.23	140	4
AB 08	Grey	3	11	42	3	11	86	0.11	0.13	1.7	98	0.11	0.13	1.46	91	0.1	0.12	1.41	85	0.1	0.12	1.21	82	1
AB 14	Grey	6	9	37	5	9	86	0.14	0.16	1.71	113	0.13	0.15	1.46	107	0.12	0.14	1.41	101	0.12	0.14	1.21	98	2
AB 20	Grey	8	8	34	6	8	86	0.15	0.18	1.71	125	0.15	0.17	1.47	119	0.14	0.16	1.42	114	0.14	0.16	1.22	110	3
AB 30	Grey	12	7	24	9	7	84	0.19	0.22	1.72	154	0.19	0.22	1.47	148	0.18	0.21	1.42	143	0.18	0.21	1.23	139	4

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
Production and measurement tolerances are in accordance with applicable standards and procedures.
Evergreen® is the registered trademark of Pilkington. RHG has been calculated using SC. and U. value to 5 decimal places for accuracy.
Azurlite® is the registered trademark of PPG Industries.

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Azura Blue (ABILR) Coating Series with Low-E — 28mm (6/16/6) Insulating Glass Units



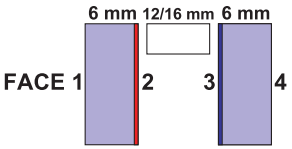
DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
AB ILR	Azurlite	14	19	17	6	11	83	0.14	0.16	1.71	117	0.13	0.16	1.47	111	0.13	0.15	1.41	105	0.13	0.15	1.22	102	4
AB ILR 12	Azurlite	8	23	14	3	12	85	0.11	0.13	1.7	98	0.11	0.13	1.46	91	0.1	0.12	1.41	86	0.1	0.12	1.21	83	1
AB ILR 19	Azurlite	12	21	13	5	11	84	0.13	0.15	1.7	109	0.12	0.15	1.46	103	0.12	0.14	1.41	97	0.11	0.13	1.21	94	2
AB ILR	Blue Green	16	22	17	8	13	79	0.16	0.19	1.71	132	0.16	0.18	1.47	126	0.15	0.17	1.41	121	0.15	0.17	1.22	118	3
AB ILR 12	Blue Green	9	27	14	4	15	81	0.13	0.15	1.7	106	0.12	0.14	1.46	100	0.11	0.13	1.41	95	0.11	0.13	1.21	92	1
AB ILR 19	Blue Green	13	24	13	6	14	80	0.15	0.17	1.7	122	0.14	0.17	1.46	116	0.14	0.16	1.41	111	0.13	0.16	1.21	108	1
AB ILR	Blue	12	15	17	7	11	82	0.16	0.18	1.71	128	0.15	0.18	1.47	122	0.14	0.17	1.41	117	0.14	0.16	1.22	114	3
AB ILR 12	Blue	7	17	14	4	13	83	0.12	0.15	1.7	105	0.12	0.14	1.46	99	0.11	0.13	1.41	94	0.11	0.13	1.21	90	1
AB ILR 19	Blue	10	16	13	6	12	82	0.14	0.17	1.7	119	0.14	0.16	1.46	113	0.13	0.15	1.41	108	0.13	0.15	1.21	104	1
AB ILR	Bronze	10	11	17	6	10	84	0.16	0.18	1.71	127	0.15	0.17	1.47	121	0.14	0.17	1.41	116	0.14	0.16	1.22	112	2
AB ILR 12	Bronze	6	13	14	4	13	83	0.13	0.15	1.7	106	0.12	0.14	1.46	100	0.11	0.13	1.41	94	0.11	0.13	1.21	91	1
AB ILR 19	Bronze	8	12	13	6	12	82	0.14	0.17	1.7	119	0.14	0.16	1.46	113	0.13	0.15	1.41	108	0.13	0.15	1.21	104	1
AB ILR	Clear	18	29	17	11	22	67	0.2	0.23	1.71	157	0.19	0.22	1.47	151	0.19	0.22	1.41	148	0.18	0.21	1.22	144	5
AB ILR 12	Clear	10	35	14	7	30	63	0.14	0.16	1.7	117	0.14	0.16	1.46	111	0.13	0.15	1.41	108	0.13	0.15	1.21	104	2
AB ILR 19	Clear	16	32	13	10	27	63	0.17	0.2	1.7	141	0.17	0.2	1.46	135	0.17	0.19	1.41	132	0.16	0.19	1.21	128	3
AB ILR	Evergreen	14	18	17	6	10	84	0.14	0.17	1.71	119	0.14	0.16	1.47	113	0.13	0.15	1.41	107	0.13	0.15	1.22	104	1
AB ILR 12	Evergreen	8	22	14	3	11	86	0.12	0.14	1.7	100	0.11	0.13	1.46	94	0.1	0.12	1.41	88	0.1	0.12	1.21	85	0
AB ILR 19	Evergreen	12	20	13	5	10	85	0.13	0.16	1.7	112	0.13	0.15	1.46	105	0.12	0.14	1.41	100	0.12	0.14	1.21	96	1

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
Production and measurement tolerances are in accordance with applicable standards and procedures.
Evergreen® is the registered trademark of Pilkington. RHG has been calculated using SC. and U. value to 5 decimal places for accuracy.
Azurlite® is the registered trademark of PPG Industries.

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Azura Blue (ABILR) Coating Series with Low-E — 28mm (6/16/6) Insulating Glass Units



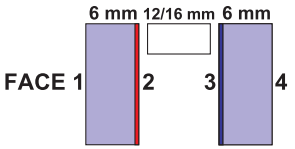
DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
AB ILR	Green	15	21	17	7	12	81	0.16	0.18	1.71	128	0.15	0.17	1.47	122	0.14	0.17	1.41	117	0.14	0.16	1.22	113	2
AB ILR 12	Green	9	26	14	4	14	82	0.12	0.14	1.7	104	0.12	0.14	1.46	98	0.11	0.13	1.41	93	0.11	0.13	1.21	89	1
AB ILR 19	Green	13	23	13	6	13	81	0.14	0.17	1.7	119	0.14	0.16	1.46	112	0.13	0.15	1.41	107	0.13	0.15	1.21	104	1
AB ILR	Grey	9	11	17	6	10	84	0.15	0.18	1.71	125	0.15	0.17	1.47	119	0.14	0.16	1.41	114	0.14	0.16	1.22	110	2
AB ILR 12	Grey	5	12	14	4	12	84	0.12	0.14	1.7	105	0.12	0.14	1.46	98	0.11	0.13	1.41	93	0.11	0.13	1.21	90	1
AB ILR 19	Grey	8	11	13	5	11	84	0.14	0.17	1.7	117	0.13	0.16	1.46	111	0.13	0.15	1.41	106	0.13	0.15	1.21	102	1

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
Resultant photometric data are nominal rounded values for the centre of the glass pane.
Production and measurement tolerances are in accordance with applicable standards and procedures.
Evergreen® is the registered trademark of Pilkington. RHG has been calculated using SC. and U. value to 5 decimal places for accuracy.
Azurlite® is the registered trademark of PPG Industries.

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Dark Bronze (DB) Coating Series with Low-E — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
DB 08	Azurlite	5	19	43	2	9	89	0.11	0.13	1.7	94	0.1	0.12	1.46	88	0.1	0.11	1.41	82	0.09	0.11	1.21	79	2
DB 14	Azurlite	8	15	38	4	8	88	0.12	0.15	1.7	105	0.12	0.14	1.46	99	0.11	0.13	1.41	93	0.11	0.13	1.21	90	4
DB 20	Azurlite	13	12	36	6	7	87	0.15	0.17	1.71	121	0.14	0.16	1.47	114	0.13	0.15	1.42	108	0.13	0.15	1.22	105	6
DB 35	Azurlite	22	10	29	9	6	85	0.19	0.22	1.72	150	0.18	0.21	1.48	143	0.17	0.2	1.43	138	0.17	0.2	1.23	135	10
DB 08	Blue Green	6	22	43	3	13	84	0.12	0.13	1.7	98	0.11	0.13	1.46	92	0.1	0.12	1.41	86	0.1	0.12	1.21	83	2
DB 14	Blue Green	9	17	38	5	11	84	0.14	0.16	1.7	113	0.13	0.15	1.46	107	0.12	0.14	1.41	102	0.12	0.14	1.21	98	3
DB 20	Blue Green	14	13	36	7	9	84	0.17	0.19	1.71	134	0.16	0.19	1.47	128	0.15	0.18	1.42	123	0.15	0.17	1.22	120	5
DB 35	Blue Green	24	11	29	13	8	79	0.22	0.26	1.72	176	0.22	0.25	1.48	170	0.21	0.24	1.43	165	0.21	0.24	1.23	162	8
DB 08	Blue	4	14	43	3	12	85	0.11	0.13	1.7	97	0.11	0.13	1.46	91	0.1	0.12	1.41	85	0.1	0.12	1.21	82	2
DB 14	Blue	7	11	38	4	10	86	0.13	0.16	1.7	111	0.13	0.15	1.46	105	0.12	0.14	1.41	99	0.12	0.14	1.21	96	3
DB 20	Blue	11	9	36	7	8	85	0.16	0.19	1.71	130	0.15	0.18	1.47	124	0.15	0.17	1.42	119	0.14	0.17	1.22	115	5
DB 35	Blue	18	8	29	11	7	82	0.21	0.25	1.72	168	0.21	0.24	1.48	162	0.2	0.23	1.43	158	0.2	0.23	1.23	154	8
DB 08	Bronze	4	11	43	3	13	84	0.11	0.13	1.7	96	0.11	0.12	1.46	90	0.1	0.12	1.41	84	0.1	0.11	1.21	81	1
DB 14	Bronze	6	9	38	4	10	86	0.13	0.15	1.7	109	0.12	0.14	1.46	103	0.12	0.14	1.41	97	0.11	0.13	1.21	94	2
DB 20	Bronze	9	8	36	6	9	85	0.15	0.18	1.71	127	0.15	0.17	1.47	120	0.14	0.17	1.42	115	0.14	0.16	1.22	112	3
DB 35	Bronze	15	7	28	11	8	81	0.21	0.24	1.72	164	0.2	0.23	1.48	157	0.19	0.22	1.43	153	0.19	0.22	1.23	149	4
DB 08	Clear	7	29	43	5	28	67	0.12	0.14	1.7	102	0.11	0.13	1.46	96	0.11	0.13	1.41	92	0.11	0.12	1.21	88	3
DB 14	Clear	11	22	38	7	21	72	0.15	0.18	1.7	126	0.15	0.17	1.46	120	0.14	0.17	1.41	116	0.14	0.16	1.21	113	5
DB 20	Clear	17	17	36	11	17	72	0.2	0.23	1.71	159	0.19	0.22	1.47	153	0.19	0.22	1.42	150	0.19	0.22	1.22	146	9
DB 35	Clear	28	13	29	19	13	68	0.29	0.34	1.72	226	0.29	0.33	1.48	220	0.28	0.33	1.43	217	0.28	0.32	1.23	213	15

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
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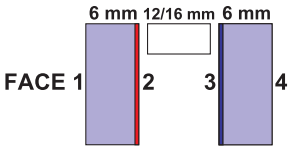
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Dark Bronze (DB) Coating Series with Low-E — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
DB 08	Evergreen	5	18	43	2	9	89	0.11	0.13	1.7	94	0.1	0.12	1.46	88	0.1	0.11	1.41	82	0.09	0.11	1.21	79	1
DB 14	Evergreen	8	14	38	4	8	88	0.12	0.15	1.7	105	0.12	0.14	1.46	99	0.11	0.13	1.41	93	0.11	0.13	1.21	90	1
DB 20	Evergreen	13	11	36	5	7	88	0.15	0.17	1.71	120	0.14	0.16	1.47	114	0.13	0.15	1.42	108	0.13	0.15	1.22	105	2
DB 35	Evergreen	21	9	29	9	6	85	0.19	0.22	1.72	150	0.18	0.21	1.48	143	0.17	0.2	1.43	138	0.17	0.2	1.23	135	4
DB 08	Green	6	21	43	3	12	85	0.11	0.13	1.7	97	0.11	0.13	1.46	91	0.1	0.12	1.41	85	0.1	0.11	1.21	82	1
DB 14	Green	9	16	38	4	10	86	0.13	0.15	1.7	111	0.13	0.15	1.46	104	0.12	0.14	1.41	99	0.12	0.14	1.21	95	2
DB 20	Green	14	13	36	7	8	85	0.16	0.18	1.71	130	0.15	0.18	1.47	123	0.15	0.17	1.42	118	0.14	0.17	1.22	115	4
DB 35	Green	23	10	29	11	7	82	0.21	0.24	1.72	167	0.2	0.24	1.48	161	0.2	0.23	1.43	156	0.19	0.23	1.23	152	6
DB 08	Grey	3	11	43	3	12	85	0.11	0.13	1.7	96	0.11	0.12	1.46	90	0.1	0.12	1.41	84	0.1	0.11	1.21	81	1
DB 14	Grey	5	9	38	4	10	86	0.13	0.15	1.7	108	0.12	0.14	1.46	102	0.12	0.14	1.41	96	0.11	0.13	1.21	93	2
DB 20	Grey	8	8	36	6	8	86	0.15	0.18	1.71	126	0.15	0.17	1.47	119	0.14	0.16	1.42	114	0.14	0.16	1.22	111	3
DB 35	Grey	14	7	28	10	7	83	0.2	0.23	1.72	161	0.2	0.23	1.48	155	0.19	0.22	1.43	151	0.19	0.22	1.23	147	6

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
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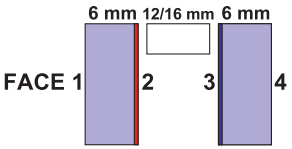
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Original Gold (ORG) Coating Series with Low-E — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
ORG	Azurlite	4	22	28	2	10	88	0.1	0.12	1.69	89	0.1	0.11	1.45	83	0.09	0.1	1.4	76	0.09	0.1	1.2	74	1
ORG	Blue Green	5	26	28	2	15	83	0.11	0.12	1.69	91	0.1	0.12	1.45	85	0.09	0.11	1.4	79	0.09	0.11	1.2	76	1
ORG	Blue	3	16	28	2	14	84	0.1	0.12	1.69	91	0.1	0.12	1.45	84	0.09	0.11	1.4	79	0.09	0.1	1.2	76	1
ORG	Bronze	3	13	28	2	14	84	0.1	0.12	1.69	89	0.1	0.11	1.45	83	0.09	0.11	1.4	78	0.09	0.1	1.2	74	1
ORG	Clear	5	34	28	4	33	63	0.1	0.12	1.69	89	0.1	0.11	1.45	83	0.09	0.11	1.4	79	0.09	0.11	1.2	76	2
ORG	Evergreen	4	21	28	2	10	88	0.1	0.12	1.69	89	0.1	0.11	1.45	83	0.09	0.1	1.4	77	0.09	0.1	1.2	74	0
ORG	Green	4	24	28	2	14	84	0.1	0.12	1.69	90	0.1	0.12	1.45	84	0.09	0.11	1.4	78	0.09	0.1	1.2	75	1
ORG	Grey	3	12	28	2	13	85	0.1	0.12	1.69	90	0.1	0.11	1.45	83	0.09	0.11	1.4	78	0.09	0.1	1.2	74	1

Spectral optical properties have been independently measured at Oxford Brookes University. Integrated visible, solar and thermal optical properties have been calculated in accordance with the requirements of EN 410, ISO 9050 and EN 673.
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الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

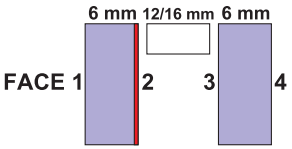
K-LITE®

NEUTRAL LOW - E
INSULATING GLASS

الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Low-E Neutral (KE) Coating Series (Surface 2) — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
KE 742	Azurlite	57	9	12	24	7	69	0.31	0.36	1.72	238	0.3	0.35	1.48	232	0.3	0.34	1.43	228	0.29	0.34	1.23	225	25
KE 742	Blue Green	63	10	13	32	10	58	0.39	0.45	1.72	297	0.38	0.44	1.48	292	0.38	0.44	1.43	289	0.38	0.44	1.23	285	20
KE 742	Blue	47	8	12	29	10	61	0.36	0.42	1.72	277	0.36	0.41	1.48	272	0.35	0.41	1.43	269	0.35	0.41	1.23	265	20
KE 742	Bronze	39	7	12	27	12	61	0.35	0.4	1.72	265	0.34	0.39	1.48	260	0.34	0.39	1.43	257	0.33	0.39	1.23	253	11
KE 742	Clear	74	12	14	48	23	29	0.54	0.62	1.72	407	0.54	0.62	1.48	404	0.54	0.62	1.43	403	0.54	0.62	1.23	401	37
KE 742	Evergreen	56	9	12	23	7	70	0.31	0.36	1.72	239	0.3	0.35	1.48	233	0.3	0.35	1.43	229	0.3	0.34	1.23	225	9
KE 742	Green	61	10	13	29	9	62	0.36	0.42	1.72	277	0.36	0.41	1.48	272	0.35	0.41	1.43	269	0.35	0.4	1.23	265	15
KE 742	Grey	37	6	12	26	11	63	0.34	0.39	1.72	260	0.33	0.38	1.48	254	0.33	0.38	1.43	252	0.33	0.38	1.23	248	14

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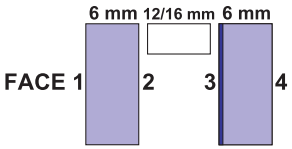
الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS

K- LITE PERFORMANCE DATA — 24mm (6/12/6) Insulating Glass Units

Low-E Neutral (KE) Coating Series (Surface 3) — 28mm (6/16/6) Insulating Glass Units



DESCRIPTION		Visible Light (%)			Total Solar Energy (%)			AIR FILLED								ARGON FILLED								UV %
Coating	Substrate	Tv	Reflectance		Tsol	Ro	Abs	12MM				16MM				12MM				16MM				
			OUT	IN				SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	SF	SC	U Value Summer	RHG	
KE 743	Azurlite	57	9	10	24	7	69	0.33	0.39	1.72	257	0.33	0.38	1.48	251	0.33	0.38	1.43	248	0.32	0.37	1.23	244	25
KE 743	Blue Green	63	10	11	32	10	58	0.42	0.49	1.72	321	0.42	0.48	1.48	316	0.42	0.48	1.43	314	0.41	0.48	1.23	311	20
KE 743	Blue	47	7	10	29	10	61	0.4	0.46	1.72	304	0.4	0.46	1.48	299	0.39	0.45	1.43	298	0.39	0.45	1.23	294	20
KE 743	Bronze	39	7	9	27	12	61	0.38	0.44	1.72	292	0.38	0.44	1.48	287	0.38	0.43	1.43	285	0.37	0.43	1.23	281	11
KE 743	Clear	74	12	12	49	24	27	0.6	0.7	1.72	452	0.61	0.7	1.48	452	0.61	0.7	1.43	452	0.61	0.7	1.23	452	37
KE 743	Evergreen	55	9	10	23	7	70	0.33	0.38	1.72	255	0.33	0.38	1.48	249	0.32	0.37	1.43	246	0.32	0.37	1.23	242	9
KE 743	Green	61	10	11	29	9	62	0.4	0.46	1.72	302	0.39	0.45	1.48	296	0.39	0.45	1.43	295	0.39	0.45	1.23	291	15
KE 743	Grey	37	6	9	27	11	62	0.37	0.43	1.72	285	0.37	0.43	1.48	280	0.37	0.42	1.43	278	0.36	0.42	1.23	275	14

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