

COLOURVUE™

coloured laminated safety glass

ColourVue™ laminated glass products are made from various combinations of clear and tinted glasses and PVB (polyvinyl butyral) interlayers.

ColourVue is available in a wide range of colours to meet a variety of aesthetic, glare reduction and solar control demands. Coloured and patterned interlayers can be used individually or in various combinations to create colourful and distinctive glass facades, partitions and interiors.

Because the patterns and colours are encapsulated between layers of glass, ColourVue is easier to keep clean than sandblasted glass, and it does not peel like applied vinyl. ColourVue reduces damaging short-wave ultraviolet radiation and offers additional safety, security and noise control benefits. The lighter tints eliminate some solar energy and are intended for use in glazing areas where safety, glare control and aesthetic qualities are required.

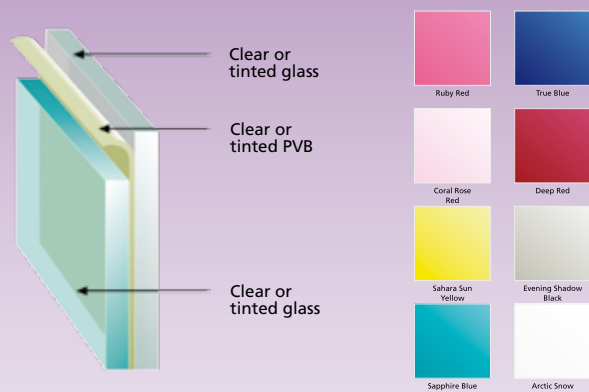
The deeper tints improve glare control and provide a higher degree of solar heat elimination

Vanceva™ interlayers

ColourVue with Vanceva™ Design Color interlayers is made under licence from Solutia™, the world leaders in polyvinyl butyral interlayer technology. Colours include light and dark shades of red, yellow, blue, black, and varying levels of translucent white. Patterns available on request. Vanceva™ is a trademark of Solutia Inc.

edge working

The edges of all heat absorbing glass exposed to heat radiation should be polished to reduce the possibility of thermal breakage. The edges must be free of vented damage. These edges may be produced by a straight line polishing machine. Contact SmartGlass for a detailed thermal stress warranty.



Disclaimer: Colours represented here are approximations of the shades only and must not be relied on to make a colour selection. Please check samples of glass for exact colours before specifying a colour.

product table

	6.38 mm NS	6.76 mm HPR	7.52 mm HI	8.38 mm NS	8.76 mm HPR	9.52 mm HI
Aquamarine	S	S	S	R	R	R
Deep Aquamarine		S	S		R	R
Arctic Snow White	S	S	S	R	R	R
Coolblue	S	S	S	R	R	R
Deep Coolblue		S	S		R	R
Coolbronze	S	S	S	R	R	R
Deep Coolbronze		S	S		R	R
Coolgrey	S	S	S	R	R	R
Deep Coolgrey		S	S	R	R	R
Coral Rose Red	S	S	S	R	R	R
Deep Red	S	S	S	R	R	R
Evening Shadow Blc	S	S	S	R	R	R
Ruby Red	S	S	S	R	R	R
Sahara Sun Yellow	S	S	S	R	R	R
Sapphire Blue	S	S	S	R	R	R
Serene Green	R	R	R	R	R	R
Deep Serene Green	R	R	R			
Shadowlite 50	S			R		
Shadowlite 25	S	S		R	R	
Shadowlite 10		S	R		R	R
Regal Blue	S	S	S	R	R	R
Deep Regal Blue		S	S		R	R
True Blue	S	S	S	R	R	R
Standard sizes (mm)	2440 x 2000	2440 x 2000	2440 x 2000	3700 x 2440 3100 x 2440	3700 x 2440 3100 x 2440	3700 x 2440 3100 x 2440

NS = Normal Strength; HI = High Impact; HPR = High Penetration Resistant.
S = Available as standard; R = Available on request. Other thicknesses and extra deep tints are available on request.

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performance data

PRODUCT	VISIBLE LIGHT		SOLAR ENERGY					SHADING COEFFICIENT	U VALUE	UV	NOISE CONTROL	SAFETY	SECURITY
	transmission	reflection	total elimination	reflectance	absorption	direct transmission	total transmission						
COLOURVUE™													
Aquamarine	73	7	28	6	30	64	72	0.83	5.8	98	33	1	1
Deep Aquamarine	51	6	41	6	47	47	59	0.68	5.8	99	34	2	2
Coolblue	74	7	27	6	29	65	73	0.84	5.8	98	33	1	1
Deep Coolblue	62	7	32	6	35	59	68	0.78	5.8	99	34	2	2
Coolbronze	52	6	39	5	46	49	61	0.70	5.8	98	33	1	1
Deep Coolbronze	29	5	50	5	62	33	50	0.57	5.8	99	34	2	2
Coolgrey	44	6	40	6	47	47	60	0.69	5.8	98	33	1	1
Deep Coolgrey	23	5	52	5	64	31	48	0.56	5.8	99	34	2	2
Coral Rose Red	78	7	22	7	21	72	78	0.89	5.8	99	33	1	1
Deep Red	15	6	51	6	61	33	49	0.57	5.8	99	33	1	1
Evening Shadow Black	50	7	39	6	45	49	61	0.70	5.8	99	33	1	1
Regal Blue	54	6	33	6	37	57	67	0.77	5.8	98	33	1	1
Deep Regal Blue	43	5	39	5	46	49	61	0.70	5.8	99	34	2	2
Ruby Red	50	6	29	7	30	63	71	0.82	5.8	99	33	1	1
Sahara Sun Yellow	78	9	29	8	29	63	71	0.81	5.8	99	33	1	1
Sapphire Blue	51	6	35	6	39	55	65	0.75	5.8	99	33	1	1
Shadowlite 50	57	6	38	6	43	51	62	0.72	5.8	98	33	1	1
Shadowlite 25	29	5	51	5	63	32	49	0.56	5.8	99	33	1	1
Shadowlite 10	9	5	64	4	82	14	36	0.41	5.8	99	34	2	2
True Blue	14	5	46	6	55	39	54	0.62	5.8	99	33	1	1
Serene Green	77	7	41	5	48	47	59	0.68	5.8	98	33	1	1
Deep Serene Green	69	6	50	4	62	34	50	0.58	5.8	99	33	1	1

COLOURVUE™

PRODUCT	VISIBLE LIGHT		SOLAR ENERGY					SHADING COEFFICIENT	U VALUE	UV	NOISE CONTROL	SAFETY	SECURITY
	transmission	reflection	total elimination	reflectance	absorption	direct transmission	total transmission						
COLOURVUE™ TRANSLUCENT													
Aquamarine Translucent	40	13	50	11	53	36	50	0.57	5.8	99	34	2	2
Arctic Snow White	62	14	34	11	32	57	66	0.75	5.8	99	33	1	1
Blue Translucent	49	10	40	9	42	49	60	0.69	5.8	99	34	2	2
Regal Blue Translucent	30	10	54	10	60	30	46	0.53	5.8	99	34	2	2
Bronze Translucent	30	5	50	5	62	33	50	0.57	5.8	99	34	2	2
Grey Translucent	27	5	50	6	61	33	50	0.57	5.8	99	34	2	2

COLOURVUE™ TRANSLUCENT

SAFETY AND SECURITY RATINGS: 1. Normal Strength (NS) for human impact safety (0.38 mm PVB interlayer); 2. High Penetration Resistant (HPR) for additional security (0.76 mm PVB interlayer); 3. High Impact (HI) for security in high-risk applications (1.52 mm PVB interlayer). SABS 1263 compliance: Ratings 1, 2 and 3: compliance with SABS 1263-1. Rating 3: compliance with SABS 1263-2.

NOTES: 1. This data is based on tests conducted on 6.38 mm thick laminated glass. 2. To avoid the possibility of thermal stress fracture, it is always advisable to request that a thermal stress evaluation be conducted by SmartGlass. 3. Shading coefficients and U-Values are calculated using ASHRAE summer daytime conditions. 4. All values are given as an indication. Slight variations may occur due to the manufacturing tolerances.