

	Ts	Rs	As	Tv	Tuv	O-f	Shading Coefficients (Sc)		
							3mm Cl.	6mm Cl.	6mm H.A.
VISTAWEAVE 95									
Ebony	7	4	89	10	6	5	0.74	0.70	0.51
Flint	6	5	89	10	6	5	0.73	0.69	0.51
Charcoal	6	5	89	10	6	5	0.73	0.69	0.51
Gunmetal	6	6	88	10	6	5	0.72	0.68	0.50
Ironstone	6	6	88	10	6	5	0.73	0.69	0.51
Basalt	6	7	87	11	7	5	0.73	0.68	0.50
Storm	7	13	79	11	7	5	0.68	0.65	0.48
Windspray	11	26	62	14	6	5	0.67	0.54	0.43
Mist	12	30	58	14	7	5	0.58	0.55	0.43
Ash Grey	13	30	57	14	7	5	0.58	0.55	0.43
Shale Grey	16	45	37	17	7	5	0.42	0.40	0.36
Surf Mist	18	61	20	19	6	5	0.38	0.38	0.34
Pepper	7	9	84	10	6	5	0.71	0.68	0.49
Pewter	7	14	79	11	7	5	0.68	0.65	0.48
Cocoa	7	8	87	17	7	5	0.71	0.68	0.50
Copper	8	20	72	35	6	5	0.62	0.55	0.46
Jasper	10	12	81	12	7	5	0.38	0.66	0.49
Woodland Grey	7	8	89	12	6	5	0.71	0.67	0.49
Wallaby	8	9	79	13	6	5	0.70	0.68	0.50
Congo	6	10	84	45	7	5	0.68	0.64	0.47
Grecian Gold	10	23	67	46	7	5	0.61	0.58	0.46
Caramel	8	13	80	12	6	5	0.64	0.60	0.43
Taupe	12	24	64	14	7	5	0.60	0.58	0.46
Dune	15	38	48	14	7	5	0.50	0.48	0.41
Oyster	16	50	34	17	7	5	0.44	0.43	0.38
Cappuccino	15	37	48	17	6	5	0.44	0.41	0.36
Porcelain	18	61	21	19	6	5	0.38	0.38	0.34
Paperbark	7	8	84	11	6	5	0.70	0.67	0.48
Classic Cream	9	10	75	15	6	5	0.49	0.43	0.38
Snow	22	64	14	21	7	5	0.36	0.36	0.33
Green Tea	14	36	50	15	7	5	0.53	0.52	0.41
Fed Green	7	9	84	12	6	5	0.60	0.55	0.44
Cobalt	5	7	88	9	6	5	0.70	0.67	0.50
Steel Blue	6	8	86	9	6	5	0.70	0.67	0.50
Chinaberry	6	8	86	10	6	5	0.70	0.67	0.49
VISTAWEAVE 99									
Ebony	2	13	95	2	1	1	0.61	0.73	0.53
Charcoal	3	14	86	3	1	1	0.58	0.70	0.50
Gunmetal	5	15	81	6	1	1	0.50	0.64	0.41
Storm	7	16	77	6	1	1	0.48	0.69	0.43
Caramel	7	18	75	7	1	1	0.51	0.61	0.42
Cappuccino	7	18	75	7	1	1	0.53	0.54	0.42
Classic Cream	10	31	50	10	1	1	0.41	0.41	0.38
Paperbark	9	20	75	8	2	1	0.43	0.51	0.33
Woodland Grey	9	33	58	8	2	1	0.39	0.42	0.37
VISTAWEAVE STRIPE									
T832	23	58	19	22	9	12	0.42	0.40	0.36
T113	21	56	23	19	9	12	0.67	0.54	0.43
T294	20	49	31	23	9	12	0.70	0.67	0.48
T044	20	50	30	31	9	12	0.67	0.54	0.43



Solar Property Explanations

Solar properties are important when selecting screen fabrics, as the efficiency of the fabric depends on the colour chosen. When advising a customer on the fabric that they should use, there are a number of factors that should be considered. All Vistaweave fabrics are tested in the USA by Matrix Inc. When these tests are conducted the fabric and the glass are tested together. Here are the explanations of the solar property test results.

Ts (Solar Transmittance)

The amount of energy transmitted through the fabric.

Rs (Solar Reflection)

The proportion of solar energy that is reflected by the fabric. The lighter the colour the better the reflection. E.g. Solar View White reflects 64%, while Black reflects only 6%.

As (Solar Absorbance)

The proportion of solar energy that is absorbed by the fabric. The darker the fabric the more solar energy that is absorbed by the fabric. Note: The sum of transmittance, absorbance and reflection always = 100% ($T_s + A_s + R_s = 100$).

Tuv

The amount of UV that is transmitted through a fabric. A Tuv of 7 means that 93% of the UV is blocked. This is important when considering protection of flooring, furnishing fabrics and furniture against fading.

Tv

The amount of glare a person receives through the fabric. The Green Building Council rating system requires a Tv of less than 10. Glare increases in winter when the angle of the sun is lower.

O-F (Openness Factor)

This measures the proportion of holes in a woven fabric. 5% openness = 5% holes in 1 sqm. The more open the more solar heat admitted through the fabric. Openness also affects the degree of visibility.

SC (Shading Coefficient)

Defines the sun control capabilities of the glazing system and is expressed as the ratio of solar heat gain. The 3mm and 6mm refers to the glass thickness. CL refers to standard 'clear' glass and HA refers to 'heat resistant' (tinted) glass. This is utilised in the calculation of solar heat gain and the total heat gain of the glazing material or glazing system.

Some other things to note:

1. In summer heat gain through a glass window can be as much as 87%, while in winter heat loss can be up to 49%.
2. Depending on the colour chosen, the temperature in a room can be lowered by 5 to 15 degrees C in summer and can reduce the need for air conditioning by 25-30%. This is a considerable saving in power consumption and also aiding the reduction in greenhouse gas emission.
3. Dark colours give a better view, while light colours offer more efficient heat protection.



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