



TEST REPORT

Daylight Reflectance

Ref: Test Result/TR_Color-016
Established: 12-Aug-2014
Updated: 20-Jul-2016

Background:

% Daylight Reflectance = % Diffuse Reflectance + % Specular Reflectance

Daylight Reflectance: Specular reflectance included (SCI) is the measurement of the total or daylight reflectance from a surface that including the diffuse and specular reflectance

Diffuse Reflectance: Specular reflectance excluded (SCE) is the measurement of reflectance made with Specular reflectance excluded from the measurement.

Definition:

Specular Reflection is the mirror-liked reflection of a beam of light from a surface, in which the beam from a single incoming direction is reflected into a single outgoing direction

Diffused Reflection refer to the single light beam falls onto a rough surface, the ray of light will be reflected in different directions.

Objective:

To measure the daylight reflectance value of color.

Method:

The method of measurement is with reference to ASTM E903-12: Standard Test Method for Solar Absorptance, Reflectance and Transmittance of Materials.

Instrument used is the X-rite Color Eye CE 7000A spectrophotometer with the following parameters:

1. Measurement Geometry Angle: 8 degree
2. Integrating sphere size: 6" (15.2 cm) integrating sphere
3. Wavelength: 360-750nm
4. Illuminant: D65

**Disclaimer: Daylight reflectance is measured using Color Card.*



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S/N	Color	Name	% Daylight reflectance	% Diffuse reflectance	% Specular reflectance
1	8101	WHITE	81.92	81.05	0.87
2	8104	ORCHID WHITE	70.75	69.89	0.86
3	8105	ROMANTIC WHITE	72.61	71.63	0.98
4	8106	APPLE WHITE	74.25	73.42	0.83
5	8109	PEACE	71.20	70.21	0.99
6	8112	HARMONY	39.87	39.14	0.72
7	8115	LOVE	33.77	33.33	0.45
8	8116	SPELLBOUND	17.82	17.64	0.18
9	8117	ZING	48.44	47.93	0.51
10	8121	REVITALIZE	64.06	63.29	0.78
11	8128	GUSTO	73.69	72.93	0.76
12	8129	SPIRITED	67.34	66.39	0.95
13	8132	CHEER	59.69	58.96	0.72
14	8133	SUNSHINE	67.40	66.47	0.93
15	8136	CHARMING	65.20	64.29	0.91
16	8137	STREAM	62.18	61.32	0.86
17	8140	COOL	72.81	71.87	0.94
18	8143	TANTALIZING	70.34	69.52	0.81
19	8144	SWEETNESS	64.31	63.56	0.75
20	8145	BIZZARE	48.37	47.83	0.54
21	8148	PEACEFUL	49.90	49.31	0.60
22	8149	TENDER	69.70	68.86	0.84
23	8151	MYSTERIOUS	12.59	12.33	0.26
24	8152	EXCITEMENT	68.99	68.14	0.85
25	8154	ALLURE	51.71	50.88	0.82
26	8156	ROSE WHITE	74.38	73.40	0.98
27	8157	LILY WHITE	75.87	74.91	0.96
28	8158	BARELY WHITE	73.63	72.67	0.96
29	8159	BLUEBELL WHITE	66.10	65.17	0.94
30	8160	CHALK	73.37	72.39	0.98
31	8161	IVORY	66.09	65.21	0.88
32	8162	MAGNOLIA	66.58	65.66	0.91
33	8163	TART TWIST	47.51	46.72	0.78
34	8164	PISTACHIO	47.19	46.58	0.61
35	8165	LIME FIZZ	42.81	42.18	0.63
36	8166	NATURAL LINEN	45.50	44.89	0.62



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37	8167	NATURAL CANE	56.00	55.24	0.76
38	8169	FANTASY ORANGE	35.17	34.62	0.55
39	8170	HARMONIOUS PURPLE	22.16	21.70	0.46
40	8172	GLAMOROUS	23.96	23.75	0.21
41	8173	PINK POP	32.98	32.58	0.39
42	8174	YELLOW ROSE	58.23	57.33	0.90
43	8175	GREY CLOUDS	39.69	39.06	0.64
44	8176	PEBBLE PATH	47.21	46.49	0.72
45	8178	ABBEYSTONE	67.77	66.80	0.97
46	8179	SPRING BURST	58.86	57.93	0.93
47	8180	LIGHTEST LAVENDER	72.56	71.57	0.99
48	8181	PINK TIARA	67.86	66.95	0.91
49	8182	PANSY BLUE	23.64	23.27	0.37
50	8183	FRENCH ORCHID	40.71	40.05	0.66
51	8184	LIVELY LAVENDER	60.85	59.99	0.86
52	8185	GRAPE	20.91	20.56	0.35
53	8186	VIOLET SHADOW	38.46	37.85	0.61
54	8187	PERSIAN SILK	51.70	51.07	0.63
55	8189	CARNATION PETAL	64.04	63.17	0.87