



## TEST RESULTS

### Daylight Reflectance Test

Ref: Test Result/TR\_Color-095  
Established: 17-June-2015  
Updated: --

#### **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 light reflectance value of Roof-Seal WBA colors.

#### **Method:**

Colored measured with X-rite Color Eye CE 7000A spectrophotometer with below 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 reflectances and solar reflectance index are measured on white Color Card.*



## TEST RESULTS

Color	Code	Solar Reflectance Index (SRI)	% Daylight Reflectance	% Diffuse Reflectance	% Specular Reflectance
White	White	113	78.99	78.17	0.81
Sincere White	RS-001	103	71.60	70.80	0.80
Watermark	RS-002	82	55.28	54.99	0.29
Ashen Gray	RS-003	70	40.80	40.45	0.34
Pepper Gray	RS-004	49	29.48	29.19	0.29
Harlequin	RS-005	29	15.75	15.47	0.28
Maple Brown	RS-006	40	23.90	23.77	0.14
Gallery Green	RS-007	25	10.84	10.63	0.21
Earthenware	RS-008	38	21	20.79	0.2
Aloe Green	RS-009	60	34.81	34.61	0.2