



## PPG LABORATORY TESTING CERTIFICATION

### IR REFLECTIVITY

Below is the laboratory test procedure for measuring the IR Reflectivity of a given surface material in accordance with the Cool Roof Rating Council (CRRC) guidelines:

**TEST:** ASTM E – 903-96: Standard Test Method for Solar Absorption, Reflectance, and Transmittance of materials Using Integrating Spheres

**SPECIFICATION:** The Instrument covered by this test method measures spectral reflectance of materials using spectrophotometers equipped with integrating spheres.

**RESULTS:** To comply with CRRC specifications, a surface material must pass the following criteria:

**Steep Slope Exposure:** Initial IR reflectivity: 25%  
After 3 years exposure: 15%

**Flat slope exposure:** Initial IR Reflectivity: 65%  
After 3 years exposure: 50%

For paint finishes, test results are dependent upon color choice. Individual colors can be measured upon request.

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