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ASTM E903 - 96 Standard Test Method for Solar Absorbance, Reflectance, and Transmittance of Materials Using Integrating Spheres

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Abbreviation

ASTM E903 - 96

Valid from

01/01/1996

Information provider

American Society of Testing and Materials

Author

American Society of Testing and Materials

Information type

ASTM Standard

Format

PDF

Cited By

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Description

This test method covers the measurement of spectral absorbance, reflectance, and transmittance of materials using spectrophotometers equipped with integrating spheres. Methods of computing solar weighted properties from the measured spectral values are specified. Test method is applicable to materials having both specular and diffuse optical properties.

The test method is referred to in regard to the finish colour of uPVC flashings on a Simple House

Scope

This test method covers the measurement of spectral absorbance, reflectance, and transmittance of materials using spectrophotometers equipped with integrating spheres.

Methods of computing solar weighted properties from the measured spectral values are specified.

This test method is applicable to materials having both specular and diffuse optical properties. Except for transmitting sheet materials that are inhomogeneous, patterned, or corrugated, this test method is preferred over Test Method E1084.

This Standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

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