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## ASTM E424-71(2007) Standard Test Methods for Solar Energy Transmittance and Reflectance (Terrestrial) of Sheet Materials

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### Abbreviation

ASTM E424-71(2007)

### Valid from

01/03/2007

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### Information provider

American Society of Testing and Materials

### Author

American Society of Testing and Materials

### Information type

ASTM Standard

### Format

PDF

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### Cited By

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### Description

These test methods cover the measurement of solar energy transmittance and reflectance (terrestrial) of materials in sheet form.

### Scope

These test methods cover the measurement of solar energy transmittance and reflectance (terrestrial) of materials in sheet form. Method A, using a spectrophotometer, is applicable for both transmittance and reflectance and is the referee method. Method B is applicable only for measurement of transmittance using a pyranometer in an enclosure and the sun as the energy source. Specimens for Method A are limited in size by the geometry of the spectrophotometer while Method B requires a specimen 0.61 m<sup>2</sup> (2 ft<sup>2</sup>). For the materials studied by the drafting task group, both test methods give essentially equivalent results.

This standard does not purport to address all of the safety problems, 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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### Notes/comments

Note: Standard reapproved 2007

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