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ASTM E96 / E96M - 05 Standard Test Methods for Water Vapor Transmission of Materials

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Abbreviation

ASTM E96 / E96M - 05

Valid from

01/01/2005

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

These test methods cover the determination of water vapor transmission (WVT) of materials through which the passage of water vapor may be of importance, such as paper, plastic films, other sheet materials, fiberboards, gypsum and plaster products, wood products, and plastics.

The test methods are limited to specimens not over 32 mm in thickness except as provided in Section 9.

Two basic methods, the Desiccant Method and the Water Method, are provided for the measurement of permeance, and two variations include service conditions with one side wetted and service conditions with low humidity on one side and high humidity on the other.

Agreement should not be expected between results obtained by different methods. The method should be selected that more nearly approaches the conditions of use.

Scope

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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This resource is cited by:

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This document is CITED BY:

- [E2/AS1 \(Third Edition, Amendment 9\)](#)

ASTM E96 / E96M - 05 is cited by Acceptable Solution E2/AS1: External Moisture from 01/08/2011

- [E2/AS1 \(Third Edition, Amendment 5\)](#)

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- [E2/AS1 \(Third Edition, Amendment 6\)](#)

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- [E2/AS1 \(Third Edition, Amendment 8\)](#)

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- [E2/AS1 \(Third Edition, Amendment 7\)](#)

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- [E2/AS1 \(Third Edition, Amendment 5, Errata 2\)](#)

ASTM E96 / E96M - 05 is cited by Acceptable Solution E2/AS1: External Moisture from 01/08/2011

- [ASTM D6134-07](#)

ASTM E96 / E96M - 05 is cited by ASTM D6134-07 Standard Specification for Vulcanised Rubber Sheets Used in Waterproofing Systems

- [NZS 2295: 2006](#)

ASTM E96 / E96M - 05 is cited by NZS 2295: 2006 Pliable, permeable building underlays

- [NZS 3604:2011](#)

ASTM E96 / E96M - 05 is cited by NZS 3604:2011 Timber-framed buildings

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This document CITES:

Other

- [ASTM C168-05a](#)

ASTM E96 / E96M - 05 cites ASTM C168-05a Standard Terminology Relating to Thermal Insulation

- [ASTM D2301 - 99 \(2004\)](#)

ASTM E96 / E96M - 05 cites ASTM D2301 - 99 (2004) Standard Specification for Vinyl Chloride Plastic Pressure-Sensitive Electrical Insulating Tape

- [ASTM D449 - 03](#)

ASTM E96 / E96M - 05 cites ASTM D449 - 03 Standard Specification for Asphalt Used in Dampproofing and Waterproofing

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