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AS 4254.1-2012 Ductwork for air-handling systems in buildings. Part 1: Flexible duct

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Abbreviation

AS 4254.1-2012

Valid from

08/06/2012

Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

Format

PDF

Cited By

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Description

This Standard specifies requirements for materials, construction and installation, including some aspects of performance, for flexible duct for air-handling systems in buildings and facilities.

Scope

This Standard covers:

- a) dimensional stability (deformation and deflection) under positive or negative pressure applications and static loads;
- b) leakage under positive or negative pressure;
- c) support; and
- d) fire hazard requirements.

This Standard does not cover the following:

- i) Noise generation and transmission.
- ii) Exposure to damage from -
 - A) transportation and handling;
 - B) weather and temperature extremes;
 - C) flexure cycle;

- D) chemical corrosion; and
- E) other in-service conditions specific to the installation.
- iii) Impact loading, such as -
 - A) fire;
 - B) earthquake;
 - C) sudden stoppage of airflow; and
 - E) resistance to airflow.

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This resource is cited by:

AS 4254.1-2012 Ductwork for air-handling systems in buildings. Part 1: Flexible duct

This document is CITED BY:

- [C/AS2 \(First Edition, Amendment 1 \(Errata 1 - 22/10/2019\)\)](#)

AS 4254.1-2012 is cited by Acceptable Solution C/AS2: Buildings other than Risk Group SH from 27/06/2019

- [C/VM2 \(First edition, amendment 4\)](#)

AS 4254.1-2012 is cited by Verification Method C/VM2: Framework for Fire Safety Design from 19/12/2013

- [C/VM2 \(First edition, Amendment 5\)](#)

AS 4254.1-2012 is cited by Verification Method C/VM2: Framework for Fire Safety Design from 19/12/2013

- [C/VM2 \(First Edition, Amendment 3\)](#)

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This document CITES:

New Zealand Standards

- [AS/NZS 1530.3:1999](#)

AS 4254.1-2012 cites AS/NZS 1530.3:1999 (R2016) Methods for fire tests on building materials, components and structures - Simultaneous determination of ignitability, flame propagation, heat release and smoke release

- [AS/NZS 4859.1:2002](#)

AS 4254.1-2012 cites AS/NZS 4859.1:2002 Materials for the thermal insulation of buildings - General criteria and technical provisions

Australian Standards

- [AS 1530.4-2005](#)

AS 4254.1-2012 cites AS 1530.4-2005 Methods for fire tests on building materials, components and structures. Part 4: Fire-resistance test of elements of construction

Other

- [UL 181 ED.10 \(2005\)](#)

AS 4254.1-2012 cites UL 181 ED.10 (2005) Factory-made Air Ducts And Air Connectors

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