

ISO/FDIS 11925-2:2025(en)

ISO/TC 92/SC 1

Secretariat:-BSI

Date: 2025-07-03xx

Reaction to fire tests — Ignitability of products subjected to direct impingement of flame —

Part 2: Single-flame source test

Essais de réaction au feu — Allumabilité de produits soumis à l'incidence directe de la flamme —

Partie 2: Essai à l'aide d'une source à flamme unique

FDIS stage

ISO/FDIS 11925-2:2025(en)

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ~~ISO's~~[ISO's](#) member body in the country of the requester.

ISO ~~Copyright Office~~[copyright office](#)

CP 401 • ~~Ch. de Blandonnet 8~~

CH-1214 Vernier, Geneva

Phone: + 41 22 749 01 11

~~Email:~~

~~E-mail:~~ copyright@iso.org

Website: www.iso.org

Published in Switzerland.

iTeh Standards (<https://standards.iteh.ai>) Document Preview

ISO/FDIS 11925-2

<https://standards.iteh.ai/catalog/standards/iso/cfa936f4-e53b-4681-8d7e-74fe0338006d/iso-fdis-11925-2>

Contents — Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Test apparatus 2

5 Test specimen 4

5.1 Preparation 4

5.2 Dimensions 4

5.3 Products which are not essentially flat 4

5.4 Number of specimens 4

5.5 Substrates 5

6 Conditioning 5

7 Test procedure 5

7.1 General 5

7.2 Two flame application times are available, 15 s or 30 s, as required by the sponsor. The start time of the test is on application of the flame. Preliminary operations 5

7.3 Testing operations 5

7.4 Duration of test 7

8 Expression of results 7

9 Test report 8

Annex A (informative) Precision of test method 22

Annex B (normative) Testing not essentially flat end-use products 25

Annex C (normative) Testing perforated end-use products 26

Bibliography 27

ISO/FDIS 11925-2:2025(en)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 92, *Fire safety*, Subcommittee SC 1, *Fire initiation and growth*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 127, *Fire safety in buildings*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fifth edition cancels and replaces the fourth edition (ISO 11925-2:2020), which has been technically revised.

The main changes are as follows:

- ~~Revision~~**Note** on the evaluation of the flame tip;
- ~~Revision~~**Revision** of all figures.

A list of all parts in the ISO 11925 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This fire test method has been developed to define reaction to fire performance of products. The method specifies a test for determining the ignitability of products by direct small-flame impingement under zero impressed irradiance using vertically oriented test specimens.

Although the method is designed to assess ignitability, this is addressed by measuring the spread of a small flame up the vertical surface of a specimen following application of a small flame to either the surface or edge of a specimen for either 15 s or 30 s. The determination of the production of flaming droplets/particles depends on whether the filter paper placed beneath the specimen ignites.

Details on the precision of the test method is given in [Annex A](#) ~~Annex A (informative).~~

Details on testing not essentially flat end-use products is given in [Annex B](#) ~~Annex B (normative).~~

Details on testing perforated end-use products is given in [Annex C](#) ~~Annex C (normative).~~

iTeh Standards (<https://standards.itih.ai>) Document Preview

ISO/FDIS 11925-2

<https://standards.itih.ai/catalog/standards/iso/efa936f4-e53b-4681-8d7e-74fe0338006d/iso-fdis-11925-2>