

**Furniture - Assessment of the
ignitability of upholstered furniture -
Part 2: Ignition source match flame
equivalent**

Furniture - Assessment of the ignitability of
upholstered furniture - Part 2: Ignition source match
flame equivalent

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1021-2:2006 sisaldab Euroopa standardi EN 1021-2:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 30.03.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1021-2:2006 consists of the English text of the European standard EN 1021-2:2006.</p> <p>This document is endorsed on 30.03.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

<p>Käsitlusala: This European Standard specifies a test method to assess the ignitability of material combinations, such as covers and fillings used in upholstered seating, when subjected to a small flame as an ignition source.</p>	<p>Scope: This European Standard specifies a test method to assess the ignitability of material combinations, such as covers and fillings used in upholstered seating, when subjected to a small flame as an ignition source.</p>
--	--

ICS 13.220.40, 97.140

Võtmesõnad:

English Version

Furniture - Assessment of the ignitability of upholstered furniture - Part 2: Ignition source match flame equivalent

Ameublement - Évaluation de l'allumabilité des meubles
rembourrés - Partie 2: Source d'allumage flamme
équivalente à une allumette

Möbel - Bewertung der Entzündbarkeit von Polstermöbeln -
Teil 2: Eine einem Streichholz vergleichbare Gasflamme
als Zündquelle

This European Standard was approved by CEN on 16 December 2005.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents		Page
Foreword.....		3
Introduction		4
1	Scope	5
2	Terms and definitions	5
3	Criteria of ignition.....	5
4	Principle.....	6
5	Health and safety of operators	6
6	Apparatus.....	7
7	Preparation and conditioning.....	11
8	Test assembly.....	11
9	Ignition source application	12
10	Test report.....	15
Annex A (informative) Guidance notes for designers and specifiers		17
Annex B (informative) Model report form.....		19
Annex C (informative) Cleaning of a rig		20
Annex D (normative) Water soak procedures		21

Foreword

This European Standard (EN 1021-2:2006) has been prepared by Technical Committee CEN/TC 207 "Furniture", the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2006, and conflicting national standards shall be withdrawn at the latest by August 2006.

This European Standard supersedes EN 1021-2:1993.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

This European Standard is one of a series of standards concerned with the ignitability of upholstered furniture using various ignition sources. The ignition source used in this European Standard is a gas flame equivalent to a match flame.

1 Scope

This European Standard specifies a test method to assess the ignitability of material combinations, such as covers and fillings used in upholstered seating, when subjected to a small flame as an ignition source.

The test measures only the ignitability of a combination of materials used in upholstered seating and not the ignitability of a particular finished item of furniture incorporating these materials. They give an indication of, but cannot guarantee, the ignition behaviour of the finished item of furniture.

NOTE Test specimens prepared from materials taken from furniture that has been used may give different results to the same materials before use.

2 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply.

2.1

progressive smouldering

exothermic oxidation, not accompanied by flaming, that is self-propagating, i.e. independent of the ignition source. It may or may not be accompanied by incandescence

2.2

flaming

undergoing combustion in the gaseous phase with the emission of light

2.3 Cover

2.3.1

outer cover

outer layer of the upholstery

2.3.2

inner cover

thin layer of material used between the outer cover and the upholstery filling. Any inner cover greater than nominally 2 mm thick is part of the filling for test purposes

NOTE The term "interliner" is no longer used because it is non-specific and has been applied to different components within the composite.

2.4

filling

main upholstery material contained by the outer cover and (if used) the inner cover. It may consist of several different materials including any inner cover nominally greater than 2 mm thick

3 Criteria of ignition

3.1 Progressive smouldering ignition

For the purposes of European Standard, all the following types of behaviour are considered to be progressive smouldering ignitions:

- a) any test assembly that displays escalating combustion behaviour so that it is unsafe to continue and test and active extinction is necessary;