

This is a preview of "BS EN 62474:2012". [Click here to purchase the full version from the ANSI store.](#)

BS EN 62474:2012



BSI Standards Publication

Material declaration for products of and for the electrotechnical industry

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

raising standards worldwide™



This is a preview of "BS EN 62474:2012". [Click here to purchase the full version from the ANSI store.](#)

This British Standard is the UK implementation of EN 62474:2012. It is identical to IEC 62474:2012. It supersedes DD IEC/PAS 61906:2005, which is withdrawn.

BSI, as a member of CENELEC, is obliged to publish EN 62474:2012 as a British Standard. However, attention is drawn to the fact that during the development of this European Standard, the UK committee voted against its approval as a European Standard.

The UK committee submitted a negative vote because the standard refers to the IEC 62474 database on material declaration, which will be maintained by IEC/TC 111. All elements relating to the maintenance of this database can be disregarded in the context of EN 62474. This applies in particular to Clause 7. The negative vote was not based on the technical content of this standard.

The UK participation in its preparation was entrusted to Technical Committee GEL/111, Electrotechnical environment committee.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2012

Published by BSI Standards Limited 2012

ISBN 978 0 580 57460 3

ICS 01.110; 13.020; 29.100; 31.020

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 August 2012.

Amendments issued since publication

Amd. No.	Date	Text affected
-----------------	-------------	----------------------

This is a preview of "BS EN 62474:2012". [Click here to purchase the full version from the ANSI store.](#)

NORME EUROPÉENNE
EUROPÄISCHE NORM

June 2012

ICS 01.110; 13.020; 29.100; 31.020

English version

**Material declaration for products
of and for the electrotechnical industry
(IEC 62474:2012)**

Déclaration de matière pour des produits
de et pour l'industrie électrotechnique
(CEI 62474:2012)

Materialdeklaration für Produkte
der elektrotechnischen Industrie
und für die elektrotechnische Industrie
(IEC 62474:2012)

This European Standard was approved by CENELEC on 2012-04-26. CENELEC 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 CEN-CENELEC Management Centre or to any CENELEC 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 CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Management Centre: Avenue Marnix 17, B - 1000 Brussels

This is a preview of "BS EN 62474:2012". [Click here to purchase the full version from the ANSI store.](#)

Foreword

The text of document 111/243/FDIS, future edition 1 of IEC 62474, prepared by IEC/TC 111 "Environmental standardization for electrical and electronic products and systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62474:2012.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2013-01-26
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-04-26

This standard refers to a database that is associated with it and that will be maintained by IEC/TC 111. Hence all elements relating to this database are to be disregarded in the context of EN 62474. This applies in particular to Clause 7.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 62474:2012 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 62430	NOTE	Harmonized as EN 62430.
IEC 82045-1:2001	NOTE	Harmonized as EN 82045-1:2001 (not modified).
IEC 82045-2:2004	NOTE	Harmonized as EN 82045-2:2005 (not modified).
ISO 1043-1:2001	NOTE	Harmonized as EN ISO 1043-1:2001 (not modified).
ISO 1043-2:2000	NOTE	Harmonized as EN ISO 1043-2:2001 (not modified).
ISO 1043-3:1996	NOTE	Harmonized as EN ISO 1043-3:1999 (not modified).
ISO 1043-4:1998	NOTE	Harmonized as EN ISO 1043-4:1999 (not modified).
ISO 9000:2005	NOTE	Harmonized as EN ISO 9000:2005 (not modified).
ISO 14020:2000	NOTE	Harmonized as EN ISO 14020:2001 (not modified).
ISO 14024:1999	NOTE	Harmonized as EN ISO 14024:2000 (not modified).
ISO 14025:2006	NOTE	Harmonized as EN ISO 14025:2010 (not modified).
ISO 14040:2006	NOTE	Harmonized as EN ISO 14040:2006 (not modified).

This is a preview of "BS EN 62474:2012". [Click here to purchase the full version from the ANSI store.](#)

(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61360-1	-	Standard data elements types with associated classification scheme for electric items - Part 1: Definitions - Principles and methods	EN 61360-1	-
IEC 61360-2	-	Standard data element types with associated classification scheme for electric components - Part 2: EXPRESS dictionary schema	EN 61360-2	-
IEC 61360-5	-	Standard data element types with associated classification scheme for electric components - Part 5: Extensions to the EXPRESS dictionary schema	EN 61360-5	-
ISO/IEC directives Supplement	2011	Procedures specific to IEC	-	-

This is a preview of "BS EN 62474:2012". [Click here to purchase the full version from the ANSI store.](#)

CONTENTS

INTRODUCTION	6
1 Scope	7
2 Normative references	7
3 Terms and definitions	8
4 Requirements for material declaration	9
4.1 General	9
4.2 Base data requirements	11
4.2.1 Products	11
4.2.2 Product parts	11
4.2.3 Substances or substance groups listed in the IEC 62474 database with a mandatory reporting requirement	11
4.2.4 Other requirements	12
4.3 Additional requirements	12
4.3.1 Product parts	12
4.3.2 Material classes (optional)	12
4.3.3 Materials (optional)	12
4.3.4 Substances or substance groups listed in the IEC 62474 database with a mandatory reporting requirement	13
4.3.5 Substances or substance groups listed in the IEC 62474 database with an optional reporting requirement, as reference substances or substances or substance groups not listed in the IEC 62474 database	13
4.3.6 Other requirements	14
5 Criteria and thresholds for substances and material classes in the IEC 62474 database	14
5.1 General	14
5.2 Declarable substances criteria	15
5.3 Material class criteria	16
5.4 Reporting threshold levels and reportable applications for declarable substance groups and declarable substances	16
5.5 Threshold levels for material classes	17
5.6 Reference substances in the IEC 62474 database	17
6 Data format and exchange	17
6.1 General	17
6.2 Data format	17
6.3 Data exchange	18
6.3.1 Two-way and one-way data exchange	18
6.3.2 Data exchange specification in the IEC 62474 database	18
6.3.3 Additional data exchange requirements	18
6.3.4 XML file	18
6.4 Criteria for the IEC 62474 database maintenance of data format and exchange information	18
7 IEC 62474 database maintenance	18
7.1 IEC 62474 database update process	18
7.2 Reclassification and removal of substance groups and substances from the IEC 62474 database	19
7.3 Maintenance of data format part of the IEC 62474 database	19