



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 12588:2006

ICS 77.150.60

**LEAD AND LEAD ALLOYS - ROLLED LEAD
SHEET FOR BUILDING PURPOSES**

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

Sales
<http://www.standards.ie>

*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland and comes into
effect on:
7 February 2007*

**NO COPYING WITHOUT NSAI
PERMISSION EXCEPT AS
PERMITTED BY COPYRIGHT
LAW**

© NSAI 2006

Price Code F

Údarás um Chaighdeán Náisiúnta na hÉireann

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 12588

December 2006

ICS 77.150.60

Supersedes EN 12588:1999

English Version

Lead and lead alloys - Rolled lead sheet for building purposes

Plomb et alliages de plomb - Feuilles de plomb laminé pour
le bâtiment

Blei und Bleilegierungen - Gewalzte Bleche aus Blei für das
Bauwesen

This European Standard was approved by CEN on 19 November 2006.

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 Normative references	5
3 Terms and definitions	5
4 Designation	5
4.1 Material number	5
4.2 Product	5
5 Ordering information	6
6 Requirements	7
6.1 Chemical composition	7
6.2 Dimensions and tolerances	7
6.2.1 Dimensions	7
6.2.2 Tolerances	7
6.3 Surface condition	8
7 Test methods	8
7.1 Thickness	8
7.1.1 Apparatus	8
7.1.2 Procedure	8
7.2 Chemical analysis	8
7.2.1 Sampling	8
7.2.2 Method	8
8 Declaration of conformity	8
9 Marking, labelling and packaging	8
9.1 Marking and labelling	8
9.1.1 General	8
9.1.2 Colour codes for thickness	9
9.2 Packaging	9
10 Transport, storage and handling	9
11 Safety	10
Annex A (normative) European numbering system for lead and lead alloys	11
A.1 Introduction	11
A.2 General	11
A.3 Details of the system	11
A.3.1 General	11
A.3.2 Structure of number	11
A.4 Allocation and administration of material numbers	12

Foreword

This document (EN 12588:2006) has been prepared by Technical Committee CEN/TC 306 "Lead and lead alloys", the secretariat of which is held by NEN.

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 June 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

This document supersedes EN 12588:1999.

Changes to the previous version, amongst others, are the following:

Chemical composition: Following extensive research carried out by TNO Institution Holland it was found that higher levels of tin content improved the products resistance to surface corrosion. Therefore the impurity maximum has been increased from 0,005 % to 0,05 %.

Safety: The product covered in this standard, by definition is heavy. It has been necessary to provide clear guidance on manual lifting of the product.

Environment: Studies into construction and demolition waste carried out by Enviros Aspinall have shown that the recycling rate of the product is above 90 %. Recommendations have been included within this standard on good management of surplus material during construction.

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.

EN 12588:2006 (E)

Introduction

In this European Standard, the performance of the product has been defined as far as possible in terms of a number of type tests.

The performance of a building element made with these products depends not only on the properties of the product as it is required by this European standard, but also on the design and quality of the fabrication of the building element and on the design, construction and behaviour of the part of the building concerned in relation to the environment and conditions of use.

The lead sheet supplied shall be specified and used according to the National Code of Practice, depending on service conditions such as exposure to direct sunlight and the area of the piece of lead to be fixed.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-