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English Version

Metal lath and beads - Definitions, requirements and test methods - Part 1: Internal plastering

Lattis et cornières métalliques - Définitions, exigences et méthodes d'essai - Partie 1 : Enduits intérieurs

Putzträger und Putzprofile aus Metall - Begriffe, Anforderungen und Prüfverfahren - Teil 1: Innenputze

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 241.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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 CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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European foreword

This document (prEN 13658-1:2017) has been prepared by Technical Committee CEN/TC 241 “Gypsum and gypsum based products”, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 13658-1:2005.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of Regulation (EU) No. 305/2011.

For relationship with Regulation (EU) No. 305/2011, see informative Annex ZA, which is an integral part of this document.

The main technical changes that have been made in this new edition of EN 13658-1 are the following:

a) Normative references updated;

b) Terms and definitions updated;

c) Tables 1 and 2 updated;

d) Figures updated;

e) Clause 6 and Annex ZA updated in line with the CPR.

This European Standard on *Metal lath and beads — Definitions, requirements and test methods* consists of two parts:

— *Part 1: Internal plastering*;

— *Part 2: External rendering*.

1 Scope

This European Standard specifies the requirements and test methods of metal lath and beads for internal plastering.

This European Standard covers metal lath intended to be used for fixing to structures or solid backgrounds to provide a key to hold the plaster in position. Metal lath is used vertically to support linings for walls, partitions and columns and horizontally to support linings for ceilings and beams. Used in this way it enables fire protecting plastering systems to be provided.

This European Standard covers metal beads intended to be used to improve the protection of corners and also provide features to the internal finish of the construction as well as metal beads intended to be used as depth gauge beads and movement or expansion beads. They also contribute to fire protection.

2 Normative references

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.

EN 485-2:2016, *Aluminium and aluminium alloys — Sheet, strip and plate — Part 2: Mechanical properties*

EN 485-4:1993, *Aluminium and aluminium alloys — Sheet, strip and plate — Part 4: Tolerances on shape and dimensions for cold-rolled products*

EN 573-3:2013, *Aluminium and aluminium alloys — Chemical composition and form of wrought products — Part 3: Chemical composition and form of products*

EN 988:1996, *Zinc and zinc alloys — Specifications for rolled flat products for building*

EN 1364-1:2015, *Fire resistance tests for non-loadbearing elements — Part 1: Walls*

EN 1364-2:1999, *Fire resistance tests for non-loadbearing elements — Part 2: Ceilings*

EN 1365-1:2012, *Fire resistance tests for loadbearing elements — Part 1: Walls*

EN 1365-3:1999, *Fire resistance tests for loadbearing elements — Part 3: Beams*

EN 1365-4:1999, *Fire resistance tests for loadbearing elements — Part 4: Columns*

EN 10088 (all parts), *Stainless steels*

EN 10143:2006, *Continuously hot-dip coated steel sheet and strip — Tolerances on dimensions and shape*

EN 10169-1:2003, *Continuously organic coated (coil coated) steel flat products — Part 1: General information (definitions, materials, tolerances, test methods)*

EN 10218-2:2012, *Steel wire and wire products — General —Part 2: Wire dimensions and tolerances*

EN 10244-1:2009, *Steel wire and wire products — Non-ferrous metallic coatings on steel wire — Part 1: General principles*

EN 10258:1997, *Cold-rolled stainless steel and narrow strip and cut lengths — Tolerances on dimensions and shape*

EN 10264-4:2012, *Steel wire and wire products — Steel wire for ropes — Part 4: Stainless steel wire*

EN 10346:2015, *Continuously hot-dip coated steel flat products for cold forming — Technical delivery conditions*

EN 13501-1:2007+A1:2009, *Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests*

EN 13501-2:2016, *Fire classification of construction products and building elements — Part 2: Classification using data from fire resistance tests, excluding ventilation services*

EN 13914-2:2016, *Design, preparation and application of external rendering and internal plastering — Part 2: Internal plastering*

EN ISO 1460:1994, *Metallic coatings — Hot dip galvanized coatings on ferrous materials — Gravimetric determination of the mass per unit area (ISO 1460:1992)*

3 Terms and definitions

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

3.1 Metal lath:

3.1.1
expanded flat metal lath
corrosion resistant diamond shaped mesh to provide a key for plastering

Note 1 to entry: See Figure 3 a).

3.1.2
expanded corrugated metal lath
corrosion resistant diamond mesh to provide extra stiffness

Note 1 to entry: See Figure 3 b).

3.1.3
expanded ribbed lath
corrosion resistant mesh formed by expanding with integral solid ribs of at least 7 mm height to provide extra stiffness

Note 1 to entry: See Figure 4.

3.1.4
expanded mini ribbed lath
corrosion resistant mesh formed by expanding with integral solid ribs between 4 mm and 7 mm height

Note 1 to entry: See Figure 4.

3.1.5
stainless steel ribbed lath
stainless steel mesh with integral solid ribs of at least 7 mm height

3.1.6
paperbacked ribbed lath
corrosion protected paperbacked mesh with integral ribs of at least 7 mm height