

Translated English of Chinese Standard: GB/T37567-2019

www.ChineseStandard.net → Buy True-PDF → Auto-delivery.

Sales@ChineseStandard.net

GB

NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

ICS 77.150.30

H 62

GB/T 37567-2019

**Copper and copper alloy sheet and strip for building
decoration**

建筑装饰用铜及铜合金板带材

Issued on: June 04, 2019

Implemented on: May 01, 2020

Issued by: State Administration for Market Regulation;

**Standardization Administration of the People's Republic of
China.**

Table of Contents

Foreword	3
1 Scope	4
2 Normative references	4
3 Technical requirements.....	5
4 Test methods	10
5 Inspection rules	10
6 Marks, packaging, transport, storage and quality certificate	12
7 Order sheet (or contract) content	12

Foreword

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard was proposed by China Nonferrous Metals Industry Association.

This Standard shall be under the jurisdiction of National Technical Committee on Non-ferrous Metal of Standardization Administration of China (SAC/TC 243).

Main drafting organizations of this Standard: Chinalco Luoyang Copper Processing Co., Ltd., Anhui Xinke Copper Industry Co., Ltd., Tongling Jinwei Copper Industry Co., Ltd., Ningbo Xingye Shengtai Group Co., Ltd., Shaoxing Quality and Technology Supervision and Inspection Institute, Anhui Chujiang Science and Technology New Materials Co., Ltd.

Main drafters of this Standard: Zhu Yingli, Guo Xiaohui, Guo Huiwen, Zhao Wanhua, Li Jian, Ge Xiaoniu, Liu Qinglan, Mao Yaodong, Shao Ye, Liu Feng, Yu Ximeng, Du Xiyong, Sun Honggang, Ma Zichao.

Copper and copper alloy sheet and strip for building decoration

1 Scope

This Standard specifies technical requirements, test methods, inspection rules, marks, packaging, transport, storage, quality certificate and content of order sheet (or contract) of copper and copper alloy sheet and strip for building decoration.

This Standard is applicable to copper and copper alloy sheet and strip that are used to produce copper doors, copper tiles, bronze sculptures, roofing, roofs, exterior walls for building decoration (hereinafter referred to as the sheet and strip).

2 Normative references

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

GB/T 232, *Metallic materials - Bend test*

GB/T 4340.1, *Metallic materials - Vickers hardness test - Part 1: Test method*

GB/T 5121 (all parts), *Methods for chemical analysis of copper and copper alloys*

GB/T 5231, *Wrought Copper and Copper Alloys Chemical Composition Limits and Forms of Wrought Products*

GB/T 8170, *Rules of rounding off for numerical values & expression and judgement of limiting values*

GB/T 8888, *Wrought heavy non-ferrous metal products - Packing, marking, transporting and storing*

GB/T 26303.3, *Measuring methods for dimensions and shapes of wrought copper and copper alloys - Part 3: Sheets and strips*

GB/T 34505-2017, *Copper and copper alloy materials - Tensile testing at*

4 Test methods

4.1 Chemical composition

Analysis on chemical composition of the sheet and strip shall be performed according to GB/T 5121 (all parts) or YS/T 482 or YS/T 483. In arbitration, it shall be carried out according to provisions of GB/T 5121 (all parts).

4.2 Dimensions and allowable deviation

Dimensions and allowable deviation testing of the sheet and strip shall be in accordance with GB/T 26303.3.

4.3 Mechanical properties

Tensile test at room temperature of the sheet and strip shall be performed according to provisions of GB/T 34505-2017. Sample numbers are P01, P02, P03 in Table 3 of GB/T 34505-2017. Vickers hardness test is carried out according to provisions of GB/T 4340.1.

4.4 Bending performance

Bending test of the sheet and strip is performed according to GB/T 232.

4.5 Surface quality

Surface quality of the sheet and strip is inspected visually.

5 Inspection rules

5.1 Check and acceptance

5.1.1 Product shall be inspected by supplier to ensure product quality complies with provisions of this Standard. Supplier fills in quality certificate.

5.1.2 Purchaser shall inspect products received according to provisions of this Standard. If inspection results fail to meet requirements of this Standard and order sheet (or contract), it shall be proposed in written form to supplier and shall be solved by supplier and purchaser via negotiation. Objections to surface quality and size deviation shall be submitted within one month after products are received. Objections to other quality problems shall be submitted within three months after products are received. If arbitration is required, sampling for arbitration shall be performed by supplier and purchaser together.

5.2 Batching

Bending performance	Take any 2 pieces (rolls) from each batch. Take 1 sample along with rolling direction for each piece (roll).	3.5	4.4
Surface quality	Piece by piece (roll by roll)	3.6	4.5

5.5 Determination of inspection results

5.5.1 Values of inspection results shall be rounded off according to provisions of GB/T 8170. Use rounded-off value comparison method to determine.

5.5.2 When chemical composition fails, this batch of products shall be rejected.

5.5.3 When dimensions, allowable deviation and surface quality fail, this piece (roll) shall be rejected.

5.5.4 When there is a sample in test results of mechanical properties, bending properties fail, it shall take samples double quantity from this batch of products (including products failed in previous inspection) to repeat test. If re-test results meet requirements, this batch of products shall be accepted. If re-test results still fail, this batch of products shall be rejected or it is inspected piece by piece (roll by roll) by supplier. Only accepted products are delivered.

6 Marks, packaging, transport, storage and quality certificate

Product's marks, packaging, transport, storage and quality certificate shall comply with provisions of GB/T 8888.

7 Order sheet (or contract) content

Order sheet (or contract) for products listed in this Standard shall include following information:

- a) product name;
- b) alloy designation or code;
- c) supply state;
- d) dimensions;
- e) weight;

This is an excerpt of the PDF (Some pages are marked off intentionally)

Full-copy PDF can be purchased from 1 of 2 websites:

1. <https://www.ChineseStandard.us>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Select your country (currency), for example: USA (USD); Germany (Euro).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Tax invoice can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with download links).

2. <https://www.ChineseStandard.net>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Add to cart. Only accept USD (other currencies - <https://www.ChineseStandard.us>).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with PDFs attached, invoice and download links).

Translated by: Field Test Asia Pte. Ltd. (Incorporated & taxed in Singapore. Tax ID: 201302277C)

About Us (Goodwill, Policies, Fair Trading...): <https://www.chinesestandard.net/AboutUs.aspx>

Contact: Wayne Zheng, Sales@ChineseStandard.net

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

----- The End -----