
Leather — Guidelines for packaging of wet blue leather

*Cuir — Lignes directrices pour le conditionnement du cuir en bleu
humide*

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Published in Switzerland

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 120, *Leather*, Subcommittee SC 2, *Tanned leather*.

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This second edition cancels and replaces the first edition (ISO 11410:2019), of which it constitutes a minor revision. The changes to the previous edition are as follows:

- 'buff hide' changed to 'buffalo hide' in [Clause 1](#);
- minor editorial changes.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Leather — Guidelines for packaging of wet blue leather

1 Scope

This document provides guidance and requirements for packing wet blue leather intended for transport and storage. This document is applicable to wet blue leather made out of goat skin, sheep skin, cow hide and buffalo hide.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

bundle

pack containing several pieces of wet blue leather wrapped together

Note 1 to entry: 12 pieces, or multiples thereof, per pack for small ovine skins. Six pieces, or multiples thereof, per pack for large bovine skins. Or, for an easier decimal calculation, 10 pieces, or multiples thereof, per pack for small ovine skins and five pieces, or multiples thereof, per pack for large bovine skins.

3.2

bundle slip

marking sheet tagged with a bundle that provides a description of the contents

Note 1 to entry: The contents of each bundle are described in terms of:

- a) grading;
- b) average size and number of pieces packed in the bundle;
- c) total area (m²);
- d) weight;
- e) origin and description (goat; sheep/lamb; cow; buffalo; other).

3.3

bundle size

maximum number of pieces that each bundle can accommodate for easy handling

Note 1 to entry: Care should be taken that the number of leathers packed in one bundle should not weigh more than 30 kg wherever there is manual handling. For mechanical handling, up to one ton can be packed per bundle.

4 Package descriptions

4.1 General

The following are the requirements for the packing of wet blue leather. All leathers shall be flat-packed without wrinkles on wooden disposable pallets or rolled without wrinkles in materials suitable for moisture retention.

NOTE Wrinkles formed during transit due to improper packing and inadequate moisture content in the leather are permanent and reduce the value of the leather for the end user considerably.

4.2 Bundle or pallet

Each bundle is initially packed with a material suitable for moisture retention, for example polyethene, and subsequently packed in an appropriate material to provide protection during transportation, for example HDPE or hessian bags.

The following information should be marked on the bundle:

- a) consignee;
- b) lot number;
- c) bundle number or pallet number;
- d) grade;
- e) number of pieces;
- f) total area packed in the bundle or pallet;
- g) date of packing;
- h) weight of the bundle or pallet;
- i) description of product, for example, goat, cow or sheep;
- j) place of manufacture.

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The weight of each bundle shall not exceed the limit prescribed by ILO for manual handling.

4.3 Bundle slip or pallet slip

There shall be a bundle slip in each bundle (or pallet slip in each pallet), packed or covered with a material suitable for moisture retention, containing the following information:

- a) description of packed material;
- b) party;
- c) lot number;
- d) bundle number or pallet number;
- e) grade;
- f) number of pieces;
- g) total area packed;
- h) date of packing.

All wet blue leathers shall have relevant documents of the country of origin, an animal health certificate and/or documents supporting other statutory requirements of the countries engaged in the transaction.

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- [2] ISO 4045, *Leather — Chemical tests — Determination of pH and difference figure*
- [3] ISO 5398-1, *Leather — Chemical determination of chromic oxide content — Part 1: Quantification by titration*
- [4] ISO 5431, *Leather — Wet blue goat skins — Specification*
- [5] ISO 5432, *Leather — Wet blue sheep skins — Specification*
- [6] ISO 5433, *Leather — Bovine wet blue — Specification*

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