# **INTERNATIONAL STANDARD**

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# h c **Rubber sheets for livestock — Dairy** cattle — Specification

Feuille de caoutchouc pour le bétail — Bovins laitiers — Spécifications



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### Foreword

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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 <a href="https://www.iso.org/directives">www.iso.org/directives</a>).

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This document was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 4, *Products (other than hoses)*.

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 <u>www.iso.org/members.html</u>.

# **Rubber sheets for livestock — Dairy cattle — Specification**

#### 1 Scope

This document specifies the characteristics of solid rubber sheets for dairy cattle. These sheets are used in a walking or lying area. This document does not include design of the product.

#### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 37, Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties

ISO 48-4, Rubber, vulcanized or thermoplastic — Determination of hardness — Part 4: Indentation hardness by durometer method (Shore hardness)

ISO 188:2011, Rubber, vulcanized or thermoplastic — Accelerated ageing and heat resistance tests

ISO 815-1:2019, Rubber, vulcanized or thermoplastic — Determination of compression set — Part 1: At ambient or elevated temperatures

ISO 1817, Rubber, vulcanized or thermoplastic — Determination of the effect of liquids

ISO 3302-1, Rubber — Tolerances for products — Part 1: Dimensional tolerances

ISO 4649:2017, Rubber, vulcanized or thermoplastic — Determination of abrasion resistance using a rotating cylindrical drum device

ISO 5893, Rubber and plastics test equipment — Tensile, flexural and compression types (constant rate of traverse) — Specification

#### 3 Terms and definitions

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

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

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

#### 3.1

#### walking area

passage or area where cattle walk through in housing and stand for milking

#### 3.2

lying area

area where cattle rest in housing

#### 4 Classification

A rubber sheet is classified into two types depending on the application:

walking area;