

BS ISO 11398:2012



BSI Standards Publication

**Raw ostrich skins —
Description of defects,
guidelines for presentation and
grading on basis of defects**

bsi.

...making excellence a habit.™

National foreword

This British Standard is the UK implementation of ISO 11398:2012.

The UK participation in its preparation was entrusted to Technical Committee TCI/69, Footwear, leather and coated fabrics.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2012. Published by BSI Standards Limited 2012

ISBN 978 0 580 66493 9

ICS 59.140.20

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 May 2012.

Amendments issued since publication

Date	Text affected
------	---------------

**Raw ostrich skins — Description of
defects, guidelines for presentation and
grading on basis of defects**

*Peaux brutes d'autruche — Description des défauts, lignes directrices
pour la présentation et classement sur la base des défauts*





COPYRIGHT PROTECTED DOCUMENT

© ISO 2012

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 11398 was prepared by Technical Committee ISO/TC 120, *Leather*, Subcommittee SC 1, *Raw hides and skins, including pickled pelts*.

Raw ostrich skins — Description of defects, guidelines for presentation and grading on basis of defects

1 Scope

This International Standard provides descriptions of defects in raw ostrich skins and guidelines for the presentation and grading of ostrich skins based on these defects.

2 Terms related to external parasites and diseases which cause defects in ostrich skins

The following terms and definitions deal with parasites and diseases that contribute to defects (such as rashes, grown-in feathers, pit marks and marks from inoculation) in ostrich skins.

2.1 External parasites

2.1.1 mite

small arthropod belonging to the subclass Acarina (also known as Acari) and the class Arachnida

NOTE This parasite lodges on the body of ostrich and suck the blood, causing small punctures or wounds. Mites are also vectors for numerous diseases.

2.1.2 tick

small arachnid in the order Ixodida, subclass Acarina

NOTE Ticks are ectoparasites (external parasites), living by hematophagy on the blood of mammals, birds, and occasionally reptiles and amphibians. This parasite lodges on the body of ostrich and sucks the blood, causing small punctures or wounds. Ticks are also vectors of numerous diseases.

2.2 Bacterial diseases

2.2.1 omphalitis yolk sacculitis

condition characterized by infected yolk sacs, often accompanied by unhealed navels in young birds

NOTE Omphalitis is infectious and is caused by opportunistic bacteria such as *coliforms*, *staphylococci*, *pseudomonas* specie and *proteus* specie.

2.2.2 botulism

food poisoning caused by ingesting the toxins of *clostridium botulinum*

NOTE Flaccid paralysis is usually seen in the legs, wings, necks and eyelid of the birds affected by botulism.

2.2.3 anthrax

acute infectious disease caused by *bacillus anthracis* and characterized by rapidly fatal septicaemia

2.2.4 campylobacteriosis

semi-acute to chronic disease caused by gram negative bacterium *campylobacter jejuni* and resulting in inflammation, cramps, and progressive weakness

2.2.5

necrotic enteritis

acute disease that may affect ostriches at any age and which is caused mainly by *Clostridium perfringens*

NOTE This disease spreads quickly through droppings and by direct contact. It is sometimes related to mud eating.

2.2.6

ulcerative enteritis

acute disease that may affect ostriches at any age and which is caused mainly by *Clostridium colinum*

NOTE This disease spreads quickly through droppings and by direct contact. It is sometimes related to mud eating.

2.3 Viral diseases

2.3.1

newcastle disease

highly contagious and destructive disease caused by the newcastle virus of genus *avulavirus* which causes gasping, coughing, nervous depression, muscular tremor, dropping wings, twisting of head and neck, complete paralysis

2.3.2

avian pox

slow spreading disease, characterized by wart-like lesions on the skin of the head, eyelids, around the external ear opening, on the beak and on the skin of the neck

2.3.3

avian influenza

illness caused by many different strains of influenza virus that have adapted to a specific host

NOTE Avian influenza is characterized by respiratory signs, rales, excessive lacrimation, sinusitis, and oedema of the head and face.

2.4 Mycotic diseases

2.4.1

aspergillosis

respiratory disease caused by the fungus *aspergillus fumigatus*

NOTE These are characterized by gross lesions in the lung, decreased appetite and stunting.

2.4.2

candidiasis

disease, caused by the fungus *candida moniliformis*, which affects the mucus of the mouth and esophagus, causing norexia, dehydration and death

2.5

nutritional disorder

nutritional deficiency of an ostrich which affects the general condition of the body and skin of ostrich

3 Terms related to defects in ostrich skins

3.1 Ante-mortem defects

3.1.1

hole

<ante-mortem defect> empty space, resulting from an unhealed scar, that goes through the skin

NOTE Holes are normally classified according to size, i.e. 40 mm, 80 mm and 120 mm.

3.1.2

cut

<ante-mortem defect> opening, resulting from an unhealed scar, that goes through the skin

3.1.3

scar

mark remaining as the result of a wound

NOTE Scars are typically manifest as kick marks, brand marks, holes, chemical burns, white spots and scabs.

3.1.4

wound

injury to living tissue caused by an impact

NOTE Wounds may be categorized as raw, partially healed or healed.

3.1.5

kick mark

big mark or healed wound resulting from birds injuring each other

3.1.6

brand mark

mark caused by branding in the useful area of the skin

3.1.7

chemical burn

damage to the skin surface due to incorrect or excessive application of dipping which results in a shrunken appearance or damaged grain

3.1.8

white spot

spot occurring in the crown area

NOTE 1 White spots can vary in size from a few millimetres to a few centimetres in diameter.

NOTE 2 The grain pattern of the leather is typically not affected.

NOTE 3 White spots are probably caused by the healing of small injuries or pitting.

3.1.9

scab

result of the healing or partially healing of an open wound

3.1.10

scratch

slight wound typically occurring as distinct thin white scars on a skin

NOTE 1 Scratches may be categorized as raw, partially healed or healed.

NOTE 2 Scratches are mostly observed as healed defects and probably were caused by thorns or toenails of chicks.

3.1.11

rough grain

rough skin texture resulting from e.g. chafing, feather picking or sunburn and manifested as a rough area on the skin, sometimes with associated callosity

3.1.12

bacterial damage

damage which causes pinholes and an extensive occurrence in at least two or more quarters

NOTE Pinholes that are extensive in occurrence in at least two or more quarters will result in a downgrade by one grade.

3.1.13

tick bite

puncture wound caused by ticks and manifested as a small hole in the skin, typically at the base of a quill mark

3.1.14

pitting

small (about 1 mm) indents in the crown area where the grain layer has been removed

NOTE Pitting can be caused by mites.

3.2 Post-mortem defects

3.2.1

hole

<post-mortem defect> empty space, resulting from a scar caused during slaughtering or during processing, that goes through the skin

NOTE Holes are normally classified according to size, i.e. 40 mm, 80 mm and 120 mm.

3.2.2

cut

<post-mortem defect> opening, resulting from a scar caused during slaughtering or during processing, that goes through the skin

3.2.3

torn skin

skin with a tear extending approximately 5 cm into the crown area

NOTE The piece with more than 50 % of the crown area is the "torn" and the remaining part the "piece". If a skin is torn into two or more parts, these are reclassified as pieces.

3.2.4

defect due to opening lines

defect caused by the wrong opening, where the length of the upper flank is visually not equal to the lower flank

NOTE This defect results in a downgrading of the skin.

3.3 Genetically caused defects

3.3.1

abnormal grain definition

grain definition that does not resemble what is normally associated with farmed ostriches, and which is taken into account for grading purposes.

3.3.2

hair follicle

occurrence of extended hair roots in an area that is considered unnatural

NOTE If this type of defect is found extensively in two (or more) quarters of the quill area, it will result in a downgrade of one grade.

4 Quill development

The acceptable norm for a normal quill is a full-bodied round quill from which a ripe feather was harvested.

Green feather quills tend to be opened/flat/prolonged.

A sunken quill is a quill with no body and a distinctive hole in centre; it is the opposite of a green feather quill.

Extensive occurrence of under-developed quills in more than two quarters will be reason for a downgrade of one grade.

5 Presentation of ostrich skins

5.1 Trimming of the neck should be carried out by cutting off the smooth area approximately 170 mm from the distinctive line where the quill area ends. The leg may be trimmed through the last distinctive line above the middle of the knee.

5.2 Reference may be made to Figure 1 for the presentation of an ostrich skin.

5.3 The crown is the area with quill markings on the skin, excluding both the neck area down to the wing fold and the flank areas.

5.4 The lines dividing the crown area into the four quarters may be 25 mm wide. The vertical line "A-B" on the diagram (see Figure 1) may stretch from the base of the neck between the wing folds, down to the bottom of the crown. The horizontal line "C-D" on the diagram may stretch between the widest quill markings on either side of the crown area.

5.5 *Skin sizes*: The skin areas for different size groups are as follows:

- a) A size = 130 to 155 square decimetres;
- b) B size = 120 to 129 square decimetres;
- c) C size = 100 to 119 square decimetres;
- d) D size = 80 to 99 square decimetres.

6 Grading on the basis of defects

6.1 Defects occur in various sizes. For the purpose of grading, standard sizes larger than 44 mm may be regarded as defects.

6.2 For grading purposes, the crown area is divided into four quarters as shown in Figure 1. Healed wounds that blend in with the surrounding natural grain should not be considered as defects.

6.2.1 Grade 1

At least four quarters shall be free from defects.

NOTE A small number of visible defects outside the crown area might be allowed.

6.2.2 Grade 2

Skins classified as grade 2 shall have at least two of the quarters free of any defects.

6.2.3 Grade 3

Skins classified as grade 3 shall have at least one of the quarters free of any defects.

NOTE Number of visible defects outside the crown areas might be allowed.

6.2.4 Grade 4, Grade 5 and rejects

To determine grade 4, grade 5 and rejects, the following panel may be used.

Panel: A rectangular panel (imaginary or physical) to be fitted onto the crown area of the skin for determining if the skin should be classified as grade 4, grade 5 or reject skin. The panel may be fitted over the cutting lines. The panel sizes to be used for evaluation of the different skin size categories are as follows.

Skin size (square decimetres)	Panel size for Grade 4 (mm)	Panel size for Grade 5 (mm)
130 to 155	200 x 300	100 x 150
120 to 129	190 x 290	90 x 140
100 to 119	175 x 265	80 x 130

6.2.4.1 Grade 4

Skins classified as grade 4 may have defects in all four of the quarters; however, depending on the size of the skin, the area covered by the panel shall be free of defects.

6.2.4.2 Grade 5

Skins classified as grade 5 may have defects in all four of the quarters; however, depending on the size of the skin, the panel shall be free of defects. Grade 5 skins thus are skins which do not qualify as grade 4, but which can accommodate a smaller panel free of defects.

6.2.4.3 Rejects

These are skins with extensive damage in the entire crown area, such that a panel free of defects cannot be located, and the skin thus cannot be classified as a grade 5.

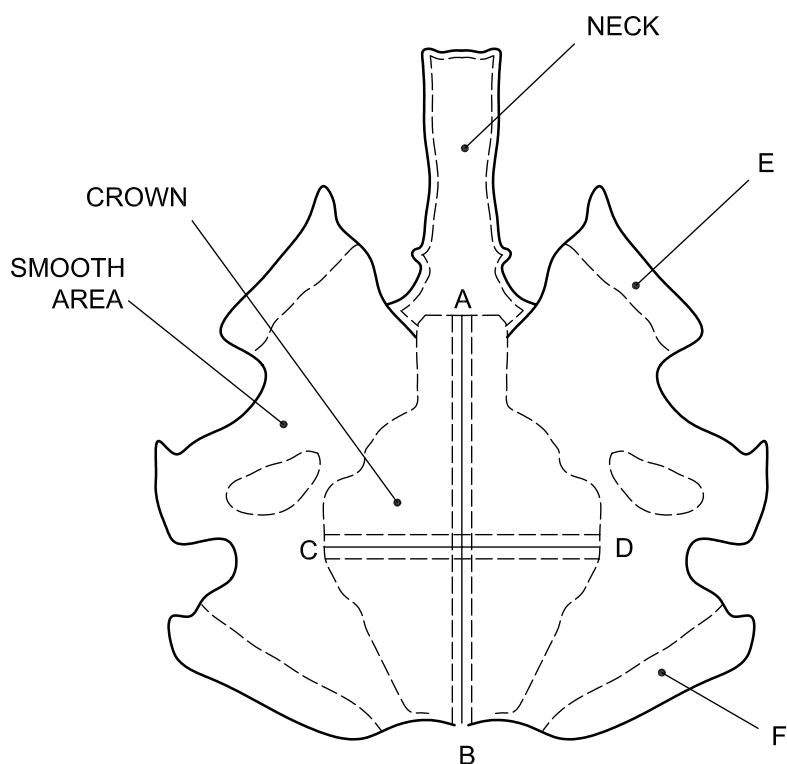


Figure 1 — Presentation of an ostrich skin

British Standards Institution (BSI)

BSI is the national body responsible for preparing British Standards and other standards-related publications, information and services.

BSI is incorporated by Royal Charter. British Standards and other standardization products are published by BSI Standards Limited.

About us

We bring together business, industry, government, consumers, innovators and others to shape their combined experience and expertise into standards-based solutions.

The knowledge embodied in our standards has been carefully assembled in a dependable format and refined through our open consultation process. Organizations of all sizes and across all sectors choose standards to help them achieve their goals.

Information on standards

We can provide you with the knowledge that your organization needs to succeed. Find out more about British Standards by visiting our website at bsigroup.com/standards or contacting our Customer Services team or Knowledge Centre.

Buying standards

You can buy and download PDF versions of BSI publications, including British and adopted European and international standards, through our website at bsigroup.com/shop, where hard copies can also be purchased.

If you need international and foreign standards from other Standards Development Organizations, hard copies can be ordered from our Customer Services team.

Subscriptions

Our range of subscription services are designed to make using standards easier for you. For further information on our subscription products go to bsigroup.com/subscriptions.

With **British Standards Online (BSOL)** you'll have instant access to over 55,000 British and adopted European and international standards from your desktop. It's available 24/7 and is refreshed daily so you'll always be up to date.

You can keep in touch with standards developments and receive substantial discounts on the purchase price of standards, both in single copy and subscription format, by becoming a **BSI Subscribing Member**.

PLUS is an updating service exclusive to BSI Subscribing Members. You will automatically receive the latest hard copy of your standards when they're revised or replaced.

To find out more about becoming a BSI Subscribing Member and the benefits of membership, please visit bsigroup.com/shop.

With a **Multi-User Network Licence (MUNL)** you are able to host standards publications on your intranet. Licences can cover as few or as many users as you wish. With updates supplied as soon as they're available, you can be sure your documentation is current. For further information, email bsmusales@bsigroup.com.

BSI Group Headquarters

389 Chiswick High Road London W4 4AL UK

Revisions

Our British Standards and other publications are updated by amendment or revision.

We continually improve the quality of our products and services to benefit your business. If you find an inaccuracy or ambiguity within a British Standard or other BSI publication please inform the Knowledge Centre.

Copyright

All the data, software and documentation set out in all British Standards and other BSI publications are the property of and copyrighted by BSI, or some person or entity that owns copyright in the information used (such as the international standardization bodies) and has formally licensed such information to BSI for commercial publication and use. Except as permitted under the Copyright, Designs and Patents Act 1988 no extract may be reproduced, stored in a retrieval system or transmitted in any form or by any means – electronic, photocopying, recording or otherwise – without prior written permission from BSI. Details and advice can be obtained from the Copyright & Licensing Department.

Useful Contacts:

Customer Services

Tel: +44 845 086 9001

Email (orders): orders@bsigroup.com

Email (enquiries): cservices@bsigroup.com

Subscriptions

Tel: +44 845 086 9001

Email: subscriptions@bsigroup.com

Knowledge Centre

Tel: +44 20 8996 7004

Email: knowledgecentre@bsigroup.com

Copyright & Licensing

Tel: +44 20 8996 7070

Email: copyright@bsigroup.com



...making excellence a habit.™