

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[oSIST prEN ISO 20537:2021](https://standards.iteh.ai/catalog/standards/sist/b18da253-5df7-48fa-b1c3-5298778a5fa4/osist-pren-iso-20537-2021)

<https://standards.iteh.ai/catalog/standards/sist/b18da253-5df7-48fa-b1c3-5298778a5fa4/osist-pren-iso-20537-2021>

DRAFT INTERNATIONAL STANDARD

ISO/DIS 20537

ISO/TC 216

Secretariat: UNE

Voting begins on:
2021-06-28

Voting terminates on:
2021-09-20

Footwear — Vocabulary for identification of defects during visual inspection

ICS: 01.040.61; 61.060

iTeh STANDARD PREVIEW (standards.iteh.ai)

[oSIST prEN ISO 20537:2021](https://standards.iteh.ai/catalog/standards/sist/b18da253-5df7-48fa-b1c3-5298778a5fa4/osist-pren-iso-20537-2021)

<https://standards.iteh.ai/catalog/standards/sist/b18da253-5df7-48fa-b1c3-5298778a5fa4/osist-pren-iso-20537-2021>

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

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.

This document is circulated as received from the committee secretariat.



Reference number
ISO/DIS 20537:2021(E)

© ISO 2021

iTeh STANDARD PREVIEW (standards.iteh.ai)

[oSIST prEN ISO 20537:2021
https://standards.iteh.ai/catalog/standards/sist/b18da253-5df7-48fa-b1c3-5298778a5fa4/osist-pren-iso-20537-2021](https://standards.iteh.ai/catalog/standards/sist/b18da253-5df7-48fa-b1c3-5298778a5fa4/osist-pren-iso-20537-2021)



COPYRIGHT PROTECTED DOCUMENT

© ISO 2021

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
3.1 General defects.....	1
3.2 Defects in upper.....	4
3.3 Defects in Counter and Toepuff.....	8
3.4 Defects in Lining and Insole.....	8
3.5 Defects in feather line and welt.....	9
3.6 Defects in heel.....	10
3.7 Defects in outsole.....	11
3.8 Defects in other components.....	13

iTeh STANDARD PREVIEW (standards.iteh.ai)

oSIST prEN ISO 20537:2021
<https://standards.iteh.ai/catalog/standards/sist/b18da253-5df7-48fa-b1c3-5298778a5fa4/osist-pren-iso-20537-2021>

ISO/DIS 20537:2021(E)

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 216, *Footwear*.

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.

Introduction

Appearance inspection is important for manufacturer, supplier, inspection organization and customer etc. to examine goods quality. Intending to describe footwear defects, i.e. those defects that have been unintentionally introduced into the footwear, this document has been compiled as a reference to use and establish a common language of defects vocabularies understandable to make the relative parties to communicate easier, moreover, this TR including photos (showing the defects) which are supplement materials to corresponding terms and definitions. This TR not only acts as the basis for assessing footwear appearance defects but also act as a reference material and training material for footwear industry.

Keep in mind that the presence of one or other of these defects in footwear does not automatically imply that the footwear is substandard. Suppliers and purchasers will still reach agreement on the acceptance of goods provided the limits of the defects and allowance have been made, bearing in mind the intended use of the footwear.

Due to the development of material and technology in footwear industry, besides, limited by the insufficient photos resources, it is impossible to describe all vocabularies for identification of defects during footwear visual inspection, this document will probably always be incomplete. It is difficult to show all defects.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[oSIST prEN ISO 20537:2021](https://standards.iteh.ai/catalog/standards/sist/b18da253-5df7-48fa-b1c3-5298778a5fa4/osist-pren-iso-20537-2021)

<https://standards.iteh.ai/catalog/standards/sist/b18da253-5df7-48fa-b1c3-5298778a5fa4/osist-pren-iso-20537-2021>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[oSIST prEN ISO 20537:2021](https://standards.iteh.ai/catalog/standards/sist/b18da253-5df7-48fa-b1c3-5298778a5fa4/osist-pren-iso-20537-2021)

<https://standards.iteh.ai/catalog/standards/sist/b18da253-5df7-48fa-b1c3-5298778a5fa4/osist-pren-iso-20537-2021>

Footwear — Vocabulary for identification of defects during visual inspection

1 Scope

This document defines and depicts the most common vocabularies about defects which occur in the manufacture, storage and usage of footwear and which may be determined during visual inspection of end product.

This document does not include testing methods and numerical judgments of these defects.

NOTE The photos are just examples, not represent all possible instances.

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 8498, *Woven fabrics — Description of defects — Vocabulary*

ISO 8499, *Knitted fabrics — Description of defects — Vocabulary*

ISO 19952, *Footwear — Vocabulary*



3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 19952 and the following 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 <https://www.electropedia.org/>

3.1 General defects





<p>3.1.1 colour difference obvious difference in colour can be seen in the same area between left and right of a pair of footwear or in one part or in the adjacent areas of a pair of footwear Note 1 to entry: This defect doesn't include design purpose.</p>	
<p>3.1.2 uneven grain different crudeness of grain of leather can be seen in the same area between left and right of a pair of footwear</p>	

ISO/DIS 20537:2021(E)

<p>3.1.3 spew bloom a white frost-like layer appears on the surface</p>	
<p>3.1.4 mildew material at any part of footwear is mouldy or is infected by microorganisms</p>	
<p>3.1.5 discoloration material stained or faded from the original colour either discrete areas or across the whole material</p>	
<p>3.1.6 merged stitching stitch threads are overlapped in some areas of a shoe</p>	
<p>3.1.7 skipped stitching thread is skipped and pinhole is left in shoe</p>	
<p>3.1.8 crooked stitching parallel alignment of between stitch line and intended edge on an upper is disordered or crooked</p> <p>Note 1 to entry: Special stitching style shall be excluded from crooked stitch.</p>	

iTeh STANDARD PREVIEW
(standards.iteh.ai)

oSIST prEN ISO 20537:2021
<https://standards.iteh.ai/catalog/standards/sist/b18da253-52d7-480a-b4e3-5298778a5fa4/osist-pren-iso-20537-2021>

<p>3.1.9 exposed ground stitching ground stitching is exposed on the upper surface and next to the upper stitching line</p>	
<p>3.1.10 adhesion failure two parts assembled by adhesive material (such as cement) are detached</p> <p>Note 1 to entry: Typical adhesion failures are between outsole and midsole, between outsole and upper, also between midsole and upper.</p>	   <p style="text-align: center;">iTeh STANDARD PREVIEW (standards.iteh.ai)</p> <p style="text-align: center;">oSIST prEN ISO 20537:2021 https://standards.iteh.ai/catalog/standards/sist/b18da253-5df7-48fa-b1c3-5298778a5fa4/osist-pren-iso-20537-2021</p>
<p>3.1.11 colour migration colour migrates from one part of footwear to another part</p>	