

Adhesives for leather and footwear materials — Solvent-based and dispersion adhesives — Testing of bond strength under specified conditions

The European Standard EN 1392:2006 has the status of a
British Standard

ICS 61.060; 83.180

National foreword

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 16, an inside back cover and a back cover.

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 June 2006

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ISBN 0 580 48603 6

Amendments issued since publication

Amd. No.	Date	Comments

English Version

Adhesives for leather and footwear materials - Solvent-based
and dispersion adhesives - Testing of bond strength under
specified conditions

Adhésifs pour cuir et matériaux de la chaussure - Adhésifs
à base de solvant ou à dispersion- Méthodes d'essai pour
mesurer la résistance de collage dans certaines conditions
spécifiées

Klebstoffe für Leder und Schuhwerkstoffe - Lösemittel- und
Dispersionsklebstoffe - Prüfung der Festigkeit von
Klebungen unter festgelegten Bedingungen

This European Standard was approved by CEN on 13 April 2006.

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Foreword

This document (EN 1392:2006) has been prepared by Technical Committee CEN/TC 193 “Adhesives”, the secretariat of which is held by AENOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2006, and conflicting national standards shall be withdrawn at the latest by November 2006.

This document, together with EN 15062, supersedes EN 1392:1998.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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1 Scope

This European Standard specifies the testing of some strength properties of bonds of leather and footwear materials, in stuck-on assemblies using solvent-based and dispersion adhesives, under different conditions. These can be chosen taking into account the different stresses that such bonds are subjected to, depending on the type of footwear.

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.

EN 923:2005, *Adhesives – Terms and definitions*

EN 1067, *Adhesives – Examination and preparation of samples for testing*

EN 12961, *Adhesives for leather and footwear materials – Determination of optimum activation temperatures and maximum activation life of solvent-based and dispersion adhesives*

EN 15307:2005, *Adhesives for leather and footwear materials – Sole-upper bonds - Minimum strength requirements*

EN ISO 868, *Plastics and ebonite – Determination of indentation hardness by means of a durometer (Shore hardness) (ISO 868:2003)*

EN ISO 7500-1, *Metallic materials - Verification of static uniaxial testing machines - Part 1: Tension/compression testing machines - Verification and calibration of the force-measuring system (ISO 7500-1:2004)*

EN ISO 10365, *Adhesives – Designation of main failure patterns (ISO 10365:1992)*

EN ISO 15605, *Adhesives – Sampling (ISO 15605:2000)*

ISO 554, *Standard atmospheres for conditioning and/or testing – Specifications*

ISO 2602, *Statistical interpretation of test results – Estimation of the mean – Confidence interval*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 923:2005 and the following apply.

3.1 leather

tanned animal skin, usually free of hair

3.2 footwear materials

natural and synthetic materials which are suitable for footwear manufacture or repair and have adequate wear properties as upper or soling material

3.3 adhesives for leather and footwear materials

adhesives which are intended to produce firm and durable bonds of leather and footwear materials

4 Principle

The surface of the leather or the footwear material used is treated specifically to the nature of the material. Then strips of specified length and width are cut from the treated material.