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Adhesives - Guide to the selection of standard laboratory ageing conditions for testing bonded joints

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 9142:2004 sisaldab Euroopa standardi EN ISO 9142:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 27.04.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 9142:2004 consists of the English text of the European standard EN ISO 9142:2003.</p> <p>This document is endorsed on 27.04.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This International Standard describes laboratory ageing conditions under which adhesive joints may be exposed to various environmental influences-climatic or chemical-for the purpose of assessing the effects of such influences on certain properties.</p>	<p>Scope: This International Standard describes laboratory ageing conditions under which adhesive joints may be exposed to various environmental influences-climatic or chemical-for the purpose of assessing the effects of such influences on certain properties.</p>
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ICS 83.180

Võtmesõnad:

English version

Adhesives

**Guide to the selection of standard laboratory ageing
conditions for testing bonded joints**
(ISO 9142 : 2003)

Adhésifs – Guide pour la sélection de conditions normales d'essai de vieillissement en laboratoire des assemblages collés (ISO 9142 : 2003)

Klebstoffe – Auswahlrichtlinien für Labor-Alterungsbedingungen zur Prüfung von Klebverbindungen (ISO 9142 : 2003)

This European Standard was approved by CEN on 2003-12-15.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Management Centre: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 9142 : 2003 Adhesives – Guide to the selection of standard laboratory ageing conditions for testing bonded joints,

which was prepared by ISO/TC 61 'Plastics' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 193 'Adhesives', the Secretariat of which is held by AENOR, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by June 2004 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 9142 : 2003 was approved by CEN as a European Standard without any modification.

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1 Scope

This International Standard describes laboratory ageing conditions under which adhesive joints may be exposed to various environmental influences — climatic or chemical — for the purpose of assessing the effects of such influences on certain properties.

The ageing conditions are applicable to bonded assemblies and may be used to constitute a set of tests for the evaluation of an adhesive.

The results obtained using the procedures described in this International Standard are not necessarily applicable to the determination of the service life of a bonded assembly because there is no direct relation between the test results and the behaviour of a bonded assembly over a period of time under service conditions. However, for certain specific applications, experience with the procedures may enable a correlation to be established.

NOTE The ageing conditions should preferably be related to the specific application of the adhesive.

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.

ISO 175:1999, *Plastics — Methods of test for the determination of the effects of immersion in liquid chemicals*

ISO 291:1997, *Plastics — Standard atmospheres for conditioning and testing*

ISO 483:1988, *Plastics — Small enclosures for conditioning and testing using aqueous solutions to maintain relative humidity at constant value*

ISO 3205:1976, *Preferred test temperatures*

ISO 4587:2003, *Adhesives — Determination of tensile lap-shear strength of rigid-to-rigid bonded assemblies*

ISO 4588:1995, *Adhesives — Guidelines for the surface preparation of metals*

ISO 4892 (all parts), *Plastics — Methods of exposure to laboratory light sources*

ISO 6238:2001, *Adhesives — Wood-to-wood adhesive bonds — Determination of shear strength by compression loading*

ISO 9227:1990, *Corrosion tests in artificial atmospheres — Salt spray tests*