

**Adhesives - Determination of peel resistance of
adhesive bonds - Floating roller method**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1464:2010 sisaldab Euroopa standardi EN 1464:2010 ingliskeelset teksti.

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This standard is ratified with the order of Estonian Centre for Standardisation dated 31.03.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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English Version

**Adhesives - Determination of peel resistance of adhesive bonds
- Floating roller method**

Adhésifs - Détermination de la résistance au pelage des
assemblages - Méthode des galets mobiles

Klebstoffe - Bestimmung des Schälwiderstandes von
Klebungen - Rollenschälversuch

This European Standard was approved by CEN on 28 December 2009.

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Foreword

This document (EN 1464:2010) 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of an identical text or by endorsement, at the latest by August 2010, and conflicting national standards shall be withdrawn at the latest by August 2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1464:1994 and EN 1967:2002.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EC Directive(s).

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1 Scope

This European Standard specifies a floating roller method for the determination of the peel resistance of adhesive bonds between one rigid adherend and one flexible adherend when tested under specified conditions of preparation and testing.

NOTE The use of the floating roller produces more constant numerical data than other peel methods, but it should not be expected that the flexible adherend will conform to the surface of the roller.

SAFETY STATEMENT— Persons using this document should be familiar with the normal laboratory practice, if applicable. This document does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any regulatory conditions.

ENVIRONMENTAL STATEMENT — It is understood that some of the material permitted in this standard may have negative environmental impact. As technological advantages lead to acceptable alternatives for these materials, they will be eliminated from this standard to the extent possible.

At the end of the test, the user of the standard should take care to carry out an appropriate disposal of the wastes, according to local regulation.

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 ISO 291, *Plastics - Standard atmospheres for conditioning and testing (ISO 291:2008)*

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

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
peel resistance
average force per unit test specimen width, measured along the bond line, required to separate progressively the two members of a bonded test specimen under specified conditions of test

NOTE It is expressed in newtons per millimetre of width (N/mm).

3.2
wet-peel resistance
peel resistance after application of water containing a wetting agent