

Adhesives - Terms and definitions

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NATIONAL FOREWORD

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ICS 01.040.83, 83.180

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English Version

Adhesives - Terms and definitions

Adhésifs - Termes et définitions

Klebstoffe - Benennungen und Definitionen

This European Standard was approved by CEN on 16 November 2015.

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European foreword

This document (EN 923:2015) has been prepared by Technical Committee CEN/TC 193 “Adhesives”, the secretariat of which is held by AENOR.

This document supersedes EN 923:2005+A1:2008.

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of an identical text or by endorsement, at the latest by June 2016, and conflicting national standards shall be withdrawn at the latest by June 2016.

In comparison to EN 923:2005+A1:2008, several new terms have been added (3 terms to Section 2.1, 3 terms to Section 2.2, 7 terms to section 2.3, 3 terms to Section 2.4, 1 term to Section 2.5, 1 term to Section 2.6, 1 term to Section 2.7) and some definitions have been updated or corrected.

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Introduction

This European Standard comprises terms peculiar to, or in general use in, the adhesive and adhesive processing industry.

The terms defined have been classified so that, as far as possible, related concepts (adhesives, functional adhesive components, chemical base products, adherents, adhesives properties, bonding, and bond properties) are grouped together. All definitions are numbered and an alphabetical index which includes all terms is provided at the end of this European Standard.

The numbering of the individual definitions is the same in all three versions (English, French and German) of this European Standard. Consequently this European Standard can be used as a dictionary, combined with one or both of the other versions as an aid for translation of terms into French or German, as a source of information about related concepts in the adhesive industry or to provide a term for a concept.

In order to find:

- a) the definition of a term: look up the term in the alphabetical index at the end of this European Standard. The index will refer to the number in this European Standard. The definition, the term and any synonyms appear by the number;
- b) information about related terms: look up the term in the alphabetical index to find its number in this European Standard. When the term has been located in this European Standard, the related concepts can be found in the same subdivision;
- c) the translation of a term into the French or German language: look up the number of this term in this European Standard and locate the translation of the term and the definition under the same number in the standard of the foreign version.

1 Scope

This European Standard defines terms used in the adhesive industry and terms relating to adhesives in those industries that use adhesives.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1 Adhesives

2.1.1

adhesive

non-metallic substance capable of joining materials by surface bonding (adhesion), and the bond possessing adequate internal strength (cohesion)

Note 1 to entry: Many adhesives names refer to their main functional components or the physical nature of the adhesive.

Table A.1 lists main binders, temperature and mode of setting of these adhesives and the number of parts that have to be mixed before use. Some other names refer to

- the method of application, or
- the mode of setting.

Furthermore, adhesives are named according to points of less significance:

- field of application (e.g. footwear adhesive, construction adhesive, packaging adhesive),
- material to bond (e.g. paper adhesive, wood adhesive, wall paper adhesive, rubber adhesive),
- place of application (e.g. *in situ* adhesive),
- speed of setting (e.g. instant adhesive),
- bond properties (e.g. structural adhesive),
- shape (e.g. powder adhesive, pearl glue, table glue for solid glue, adhesive film for shaped adhesive, or stick adhesive for stick shaped adhesives), or
- aspect (e.g. white glue).

2.1.2

water-borne adhesive

aqueous adhesive

adhesive in which the solvent, or the continuous phase is water

2.1.3

glue

aqueous adhesive specifically designed for bonding of wood and other porous substrates

Note 1 to entry: A glue can be based on a natural product like protein or synthetic resins (UF, PF or PVAC, see 2.3.51, 2.3.52 and 2.3.30 respectively)