



NSAI
Standards

Irish Standard
I.S. EN 15274:2015

General purpose adhesives for structural assembly - Requirements and test methods

I.S. EN 15274:2015

Incorporating amendments/corrigenda/National Annexes issued since publication:

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EUROPÄISCHE NORM

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English Version

General purpose adhesives for structural assembly - Requirements and test methods

Adhésifs structuraux pour applications générales -
Exigences et méthodes d'essai

Klebstoffe für allgemeine Anwendungen in strukturellen
Kleverbunden - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 25 January 2015.

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 CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists 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 CEN-CENELEC Management Centre has the same status as the official versions.

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Foreword

This document (EN 15274:2015) 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of an identical text or by endorsement, at the latest by October 2015, and conflicting national standards shall be withdrawn at the latest by January 2017.

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 15274:2007.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

For relationship with EU Regulation see informative Annex ZA, which is an integral part of this document.

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EN 15274:2015 (E)

1 Scope

This European Standard specifies requirements for adhesives intended for use in the creation and general assembly of load-bearing, structural elements used in civil engineering works and the construction of buildings. Other than the exceptions stated, it embraces all combinations of bonded materials, used to create or repair load-bearing elements.

It covers individual adhesives and special purpose kits comprising various combinations of adhesive types and components.

It includes test methods and methods of assessment.

The performance requirements in this standard may not be applicable to highly specialized applications in extreme environmental conditions, e.g. cryogenic use, nor do they cover specialized circumstances such as accidental impact, e.g. due to traffic or ice, or earthquake loading where specific performance requirements will apply.

The intended use is for internal and external construction elements and those cladding and covering elements (excluding ceramic tiles) specifically required, by regulatory authorities, to provide protection from fire in identified building zones, including escape routes.

This European Standard does not cover:

- prefabricated, bonded structural components;
- concrete bonded either to itself or steel or a material based on carbon fibre;
- wood, when bonded to itself to form a timber based, laminated beam [of the type known as a 'Glulam' beam] intended for use as a major structural, load bearing element;
- thermoplastics [e.g. polyethylene, polypropylene, polyamide and fluorinated polymers in general] unless they have been specifically prepared [usually through a specialized oxidative process] for bonded assembly on site;
- co-axial metallic assemblies comprising fasteners- threaded and otherwise, pipes and tubes;
- glass assemblies in structural glazing applications made using silicone adhesives;
- those structural elements that are permanently immersed in water.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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+A1:2008, *Adhesives — Terms and definitions*

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

EN 1242, *Adhesives — Determination of isocyanate content*

EN 1465, *Adhesives — Determination of tensile lap-shear strength of bonded assemblies*

EN 1877-1, *Products and systems for the protection and repair of concrete structures — Test methods — Reactive functions related to epoxy resins — Part 1: Determination of epoxy equivalent*

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