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BS EN 14680:2015



BSI Standards Publication

Adhesives for non-pressure thermoplastics piping systems — Specifications

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This British Standard is the UK implementation of EN 14680:2015. It supersedes BS EN 14680:2006 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/52, Adhesives.

A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

Adhesives for non-pressure thermoplastics piping systems - Specifications

Adhésifs pour systèmes de canalisations
thermoplastiques sans pression - Spécifications

Klebstoffe für drucklose thermoplastische
Rohrleitungssysteme - Festlegungen

This European Standard was approved by CEN on 15 August 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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Contents	Page
European foreword.....	4
Introduction	5
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions	7
4 Product characteristics.....	7
4.1 General considerations.....	7
4.2 Resistance to pull out.....	8
4.3 Tightness.....	8
4.4 Resistance for high temperature.....	8
4.5 Shelf life	8
4.6 Release of dangerous substances.....	9
4.7 Durability	9
5 Testing, assessment and sampling methods	9
5.1 Resistance to pull out.....	9
5.2 Tightness and resistance for high temperature.....	9
5.3 Shelf life	9
5.4 Release of dangerous substances.....	10
5.5 Durability	10
6 Assessment and verification of constancy of performance — (AVCP).....	10
6.1 General.....	10
6.2 Type testing.....	10
6.2.1 General.....	10
6.2.2 Test samples, testing and compliance criteria	11
6.2.3 Test reports.....	11
6.3 Factory production control (FPC)	12
6.3.1 General.....	12
6.3.2 Requirements	12
6.3.3 Product specific requirements.....	14
6.3.4 One-off products, pre-production products (e.g. prototypes) and products produced in very low quantity	15
7 Marking, labelling and packaging	16
Annex A (informative) Additional characterization for adhesives for non-pressure thermoplastic piping systems	17
Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation	18
ZA.2 Procedure for AVCP of adhesives for non-pressure thermoplastic piping systems	19
ZA.2.1 System(s) of AVCP.....	19
ZA.2.2 Declaration of performance (DoP)	19
ZA.2.2.1 General	19
ZA.2.2.2 Content.....	19

This is a preview of "BS EN 14680:2015". [Click here to purchase the full version from the ANSI store.](#)

ZA.2.2.3 Example of DoP	20
ZA.3 CE marking and labelling	22
Bibliography	25

This is a preview of "BS EN 14680:2015". [Click here to purchase the full version from the ANSI store.](#)

European foreword

This document (EN 14680:2015) 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 April 2016, and conflicting national standards shall be withdrawn at the latest by July 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 14680:2006.

With respect to the previous version, no technical changes have been introduced in this standard, being the only modifications those relevant for its adaptation to the Construction Products Regulation EU n°305/2011.

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 basic work requirements of Regulation (EU) 305/2011.

For relationship with Regulation (EU) 305/2011, see informative Annex ZA, which is an integral part of this document.

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Introduction

This European Standard contains the requirements for adhesives for non-pressure thermoplastic piping systems independent of piping system application. The existing system and application standards which specify parameters for adhesive joints in particular application areas and the test methods specified therein remain unchanged. The requirements referred to in these system standards concern temperature, pressure and standard life span of the piping system, and are applicable to all the components of the piping system for all the relevant dimensions that require specified application.

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1 Scope

This European Standard specifies the requirements and test methods for adhesives used for joining the components of unplasticised poly(vinyl chloride) (PVC-U), chlorinated poly(vinyl chloride)(PVC-C), acrylonitrile -butadiene-styrene (ABS) and styrene copolymer blends (PVC+SAN) thermoplastic piping systems for non-pressure applications (e.g. soil and waste discharge), independent of the application area.

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 1055, *Plastics piping systems — Thermoplastics piping systems for soil and waste discharge inside buildings — Test method for resistance to elevated temperature cycling*

EN 1329-1, *Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure — Unplasticized poly(vinyl chloride) (PVC-U) — Part 1: Specifications for pipes, fittings and the system*

EN 1401-1, *Plastics piping systems for non-pressure underground drainage and sewerage — Unplasticized poly(vinyl chloride) (PVC-U) — Part 1: Specifications for pipes, fittings and the system*

EN 1453-1, *Plastics piping systems with structured wall-pipes for soil and waste discharge (low and high temperature) inside buildings — Unplasticized poly(vinyl chloride) (PVC-U) — Part 1: Specifications for pipes and the system*

EN 1455-1, *Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure — Acrylonitrile-butadiene-styrene (ABS) — Part 1: Requirements for pipes, fittings and the system*

EN 1565-1, *Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure — Styrene copolymer blends (SAN+PVC) — Part 1: Specifications for pipes, fittings and the system*

EN 1566-1, *Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure — Chlorinated poly(vinyl chloride) (PVC-C) — Part 1: Specifications for pipes, fittings and the system*

EN 13476-2, *Plastics piping systems for non-pressure underground drainage and sewerage — Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) — Part 2: Specifications for pipes and fittings with smooth internal and external surface and the system, Type A*

EN 13476-3, *Plastics piping systems for non-pressure underground drainage and sewerage — Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) — Part 3: Specifications for pipes and fittings with smooth internal and profiled external surface and the system, Type B*

EN ISO 9311-2, *Adhesives for thermoplastic piping systems — Part 2: Determination of shear strength (ISO 9311-2)*