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ADHESIVES FOR NON-PRESSURE THERMOPLASTIC PIPING SYSTEMS - SPECIFICATIONS

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EUROPEAN STANDARD

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English Version

Adhesives for non-pressure thermoplastic 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 4 September 2006.

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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 Central Secretariat has the same status as the official versions.

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Foreword

This document (EN 14680:2006) 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of an identical text or by endorsement, at the latest by April 2007, and conflicting national standards shall be withdrawn at the latest by July 2008.

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 EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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Introduction

This product 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.

This product standard completes the characterisation of the adhesives for thermoplastic piping systems in conjunction with another product standard prEN 14814 "Adhesives for thermoplastic piping systems for fluids under pressure - Specifications". These product standards are supported by standard test methods to which references are made through the texts.

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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 fluids under zero pressure (e.g. soil and waste discharge), independent of the application area.

It provides reference for the evaluation of conformity of the adhesive to this EN.

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

EN 1329 (all parts), *Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure -Unplasticized poly(vinyl chloride) (PVC-U)*

EN 1455 (all parts), *Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Acrylonitrile-butadiene-styrene (ABS)*

EN 1565 (all parts), *Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Styrene copolymer blends (SAN+PVC)*

EN 1566 (all parts), *Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Chlorinated poly(vinyl chloride) (PVC-C)*

EN 13566-1:2002, *Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 1: General*

EN 45020:1998*, Standardization and related activities - General vocabulary (ISO/IEC Guide 2:1996)*

EN ISO 9001:2000, *Quality management systems - Requirements (ISO 9001:2000)*

prEN ISO 9229:2004, *Thermal insulation - Definitions of terms (ISO/DIS 9229:2004)*

EN ISO 9311-1, *Adhesives for thermoplastic piping systems - Part 1: Determination of film properties (ISO 9311-1:2005)*

EN ISO 9311-2, *Adhesives for thermoplastic piping systems – Part 2: Determination of shear strength (ISO 9311-2:2002)*

CEN ISO/TS 15874-7:2003*, Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 7: Guidance for the assessment of conformity (ISO/TS 15874-7:2003)*

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