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ICS 93.030

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PLASTICS PIPING SYSTEMS FOR BURIED AND ABOVE-GROUND PRESSURE SYSTEMS FOR WATER FOR GENERAL PURPOSES, DRAINAGE AND SEWERAGE - POLYETHYLENE (PE) - PART 5: FITNESS FOR PURPOSE OF THE SYSTEM

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Plastics piping systems for buried and above-ground pressure systems for water for general purposes, drainage and sewerage - Polyethylene (PE) - Part 5: Fitness for purpose of the system

Systèmes de canalisations en plastique pour les applications générales de transport d'eau, de branchement et de collecteurs d'assainissement, enterrés sous pression - Polyéthylène (PE) - Partie 5: Aptitude à l'emploi du système

Kunstoff-Rohrleitungssysteme für erd- und oberirdisch verlegte Druckrohrleitungen für Brauchwasser, Entwässerung und Abwasser - Polyethylen (PE) - Teil 5: Gebrauchstauglichkeit des Systems

This European Standard was approved by CEN on 16 October 2002.

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Foreword

This document (EN 13244-5:2002) has been prepared by Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems", the secretariat of which is held by NEN.

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of an identical text or by endorsement, at the latest by June 2003, and conflicting national standards shall be withdrawn at the latest by December 2004.

For components which have conformed to the relevant national standard before December 2002, as shown by the manufacturer or by a certification body, the national standard may continue to be applied until December 2004.

It has been prepared in liaison with CEN/TC 165 "*Waste water engineering*".

This European Standard is a Part of a System Standard for plastics piping systems, which is a standard for plastics piping of a particular material for a specified application. There are a number of such Systems Standards.

System Standards are based on the results of the work being undertaken in ISO/TC 138 "*Plastics pipes, fittings and valves for the transport of fluids*", which is a Technical Committee of the International Organization for Standardization (ISO).

They are supported by separate standards on test methods to which references are made throughout the System Standard.

The System Standards are consistent with standards on general functional requirements and standards on installation practices.

EN 13244 consists of the following Parts, under the general title *Plastics piping systems for buried and above-ground pressure systems for water for general purposes, drainage and sewerage — Polyethylene (PE).*

— *Part 1: General*

— *Part 2: Pipes*

— *Part 3: Fittings*

— *Part 4: Valves*

— *Part 5: Fitness for purpose of the system (this standard)*

— *Part 7: Guidance for the assessment of conformity* (to be published as an CEN/TS)

NOTE It was decided not to publish a Part 6: Recommended practice for installation. Instead, existing national practices would be applicable.

This Part of EN 13244 includes a Bibliography.

System Standards for piping systems of other plastics materials used for the conveyance of water include the following:

prEN 14364, *Plastics piping systems for pressure and non-pressure drainage and sewerage — Glass-reinforced thermosetting (GRP) plastics based on polyester resin (UP).*

EN 1456, *Plastics piping systems for buried and above-ground drainage and sewerage under pressure — Unplasticized poly(vinyl chloride) (PVC-U).*

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

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Introduction

EN 13244, of which this is Part 5, specifies the requirements for a piping system and its components when made from polyethylene (PE). It is intended to be used for buried and above-ground pressure systems for water for general purposes, drainage and sewerage, including vacuum systems.

Requirements and test methods for components of the piping system are specified in EN 13244-1, EN 13244-2[1], EN 13244-3[2] and EN 13244-4[3]. prCEN/TS 13244-7[4] gives guidance for the assessment of conformity.

This Part of EN 13244 covers the characteristics of the fitness for purpose of the system.

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