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Standards

Irish Standard
I.S. EN 17150:2019

Plastics piping systems for non-pressure underground conveyance and storage of non-potable water - Test method for determination of short-term compression strength of boxes

I.S. EN 17150:2019

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN 17150:2019 is the adopted Irish version of the European Document EN 17150:2019, Plastics piping systems for non-pressure underground conveyance and storage of non-potable water - Test method for determination of short-term compression strength of boxes

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EUROPEAN STANDARD

EN 17150

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2019

ICS 23.040.01

English Version

Plastics piping systems for non-pressure underground conveyance and storage of non-potable water - Test method for determination of short-term compression strength of boxes

Systèmes de canalisations en plastique pour le transport et le stockage souterrains sans pression de l'eau non potable - Méthode d'essai pour la détermination de la résistance à la compression à court terme des structures alvéolaires ultra-légères

Kunststoff-Rohrleitungssysteme für die drucklose unterirdische Entwässerung für Nicht-Trinkwasser - Prüfverfahren zur Bestimmung der Kurzzeitdruckfestigkeit von Versickerungsblöcken

This European Standard was approved by CEN on 19 October 2018.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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European foreword

This document (EN 17150:2019) 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of an identical text or by endorsement, at the latest by March 2020, and conflicting national standards shall be withdrawn at the latest by February 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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EN 17150:2019 (E)**1 Scope**

This document specifies a method for determining short-term compression strength on boxes made of thermoplastics materials for non-pressure underground conveyance and storage of non-potable water.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 ISO 3126, *Plastics piping systems - Plastics components - Determination of dimensions (ISO 3126)*

EN ISO 7500-1:2018, *Metallic materials - Calibration and verification of static uniaxial testing machines - Part 1: Tension/compression testing machines - Calibration and verification of the force-measuring system (ISO 7500-1:2018)*

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1**box**

thermoplastic cuboid shaped element, with or without sidewalls, used to create a modular storage system

3.2**integral component**

load bearing component contributing to the overall strength of the box

3.3**initial height, length, width**

h_i , l_i , b_i

height (test direction), length and width of the sample before testing, respectively, in mm

3.4**initial height after pre-load**

h_0

height of the sample after applying a pre-load, but before the load is further increased and recorded, in mm

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