



**NSAI**  
Standards

Irish Standard  
I.S. EN 15383:2012+A1:2013

Plastics piping systems for drainage and sewerage - Glass-reinforced thermosetting plastics (GRP) based on polyester resin (UP) - Manholes and inspection chambers

## I.S. EN 15383:2012+A1:2013

*Incorporating amendments/corrigenda/National Annexes issued since publication:*  
EN 15383:2012/A1:2013

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

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*This document replaces:*  
EN 15383:2012

<i>This document is based on:</i> EN 15383:2012+A1:2013 EN 15383:2012	<i>Published:</i> 30 October, 2013 11 January, 2013
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This document was published under the authority of the NSAI and comes into effect on:  
30 October, 2013

**ICS number:**

93.030

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English Version

**Plastics piping systems for drainage and sewerage - Glass-reinforced thermosetting plastics (GRP) based on polyester resin (UP) - Manholes and inspection chambers**

Systèmes de canalisations en plastique pour les branchements et collecteurs d'assainissement - Plastiques thermodurcissables renforcés de verre (PRV) à base de résine de polyester (UP) - Regards et boîtes de branchement et d'inspection

Kunststoff-Rohrleitungssysteme für Abwasserleitungen und -kanäle - Glasfaserverstärkte duroplastische Kunststoffe (GFK) auf der Basis von Polyesterharz (UP) - Einsteig- und Kontrollschächte

This European Standard was approved by CEN on 27 October 2012 and includes Amendment 1 approved by CEN on 10 September 2013.

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**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## Contents

Page

<b>Foreword</b> .....	<b>4</b>
<b>1 Scope</b> .....	<b>5</b>
<b>2 Normative references</b> .....	<b>5</b>
<b>3 Terms, definitions and symbols</b> .....	<b>6</b>
<b>4 General requirements</b> .....	<b>12</b>
4.1 Classification .....	12
4.1.1 Categories .....	12
4.1.2 Nominal stiffness .....	12
4.2 Materials for shaft or chamber units.....	12
4.2.1 General.....	12
4.2.2 Elastomers .....	12
4.2.3 Metals .....	12
4.3 Reference conditions for testing .....	13
4.3.1 Temperature.....	13
4.3.2 Properties of water for testing .....	13
4.3.3 Loading conditions .....	13
4.3.4 Preconditioning .....	13
4.3.5 Measurement of dimensions .....	13
4.4 Joints .....	13
4.4.1 Types of joint.....	13
4.4.2 Length and diameter of joint .....	13
4.4.3 Flexibility of the jointing system .....	13
4.4.4 Sealing ring .....	13
4.4.5 Adhesives.....	13
4.5 Joint performance .....	14
4.5.1 Performance requirements .....	14
4.5.2 Interchangeability .....	14
4.5.3 Test pieces .....	15
4.5.4 Number of test pieces for type test purposes .....	15
4.5.5 Test temperature.....	15
4.5.6 Flexible joints with elastomeric sealing rings .....	15
4.5.7 Rigid joints of the wrapped or cemented type.....	15
4.5.8 Test parameters .....	15
<b>5 Geometrical characteristics</b> .....	<b>16</b>
5.1 Diameter, wall thickness and length of GRP-UP shaft and chamber components — Dimensional requirement.....	16
5.2 Size of openings in manholes .....	16
<b>6 Mechanical characteristics</b> .....	<b>16</b>
6.1 General .....	16
6.2 Longitudinal compressive strength .....	16
6.2.1 Initial longitudinal compressive stress at break .....	16
6.2.2 Requirements .....	16
6.3 Longitudinal compressive load.....	17
6.3.1 General.....	17
6.3.2 Ultimate longitudinal load, $F_{ult}$ .....	17
6.3.3 Manufacturer's declared load for which a manhole or inspection chamber ring is designed, $F_j$ and the permissible force, $F_{perm, p}$ .....	17

<b>7</b>	<b>Leak-tightness of manholes and inspection chambers and their joints</b>	<b>18</b>
<b>8</b>	<b>Minimum required marking</b>	<b>18</b>
<b>9</b>	<b>Ancillary products</b>	<b>19</b>
9.1	Manhole and inspection chamber tops	19
9.2	Manhole steps and ladders	19
9.2.1	Location of steps	19
9.2.2	Load bearing capacity of installed steps	20
9.3	Precast concrete components	21
<b>10</b>	<b>Dangerous substances</b>	<b>21</b>
<b>11</b>	<b>Manufacturer's installation recommendations</b>	<b>21</b>
<b>12</b>	<b>Evaluation of conformity</b>	<b>21</b>
<b>Annex A (normative) Determination of the longitudinal compressive properties measured on prism shaped test pieces</b>		<b>22</b>
A.1	Scope	22
A.2	General	22
A.3	Test-pieces	22
A.4	Test equipment	25
A.5	Test procedure	25
A.6	Calculation and expression of results	25
A.7	Test report	26
<b>Annex B (normative) Determination of the resistance of installed steps to vertical or horizontal loading</b>		<b>27</b>
B.1	Scope	27
B.2	Principle	27
B.3	Apparatus	27
B.4	Preparation	27
B.5	Procedure	28
B.6	Test report	29

## Foreword

This document (EN 15383:2012+A1:2013) 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 April 2014, and conflicting national standards shall be withdrawn at the latest by April 2014.

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 15383:2012.

This document includes Amendment 1 approved by CEN on 2013-09-10.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**.

This European Standard is a System Standard for manholes and inspection chambers made for plastics piping systems using glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP), for drainage and sewerage.

For manholes and inspection chambers, which have conformed to the relevant national standard before the date of availability (2012-12-05), as shown by the manufacturer or by a certification body, the national standard may continue to be applied until the (2014-12-19).

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

## 1 Scope

This European Standard applies to

- a) manholes, when made from glass-reinforced thermosetting plastics (GRP) based on polyester resin (UP);
- b) inspection chambers, when made from glass-reinforced thermosetting plastics (GRP) based on polyester resin (UP) which are intended to be used with inverts which are at a depth not exceeding 2 m.

These products are intended to be used within a drain or sewer system operating without pressure or occasionally at a head of pressure up to 1 bar.

It applies to products, and their joints, intended for use in buried installations and to be installed by open-trench techniques.

The units have a circular shape with nominal sizes not exceeding the maximum nominal size specified in EN 14364.

The intended use of these products is to provide access to, buried drain or sewer systems for the conveyance of waste water at temperatures up to 50 °C, without pressure or occasionally at a head of pressure up to 1 bar, outside buildings and installed in areas subjected to vehicle and/or pedestrian traffic.

It specifies definitions including symbols, requirements and characteristics of manholes, inspection chambers, joints, materials, test methods and marking.

**NOTE** It is the responsibility of the purchaser or specifier to make the appropriate selections, taking into account their particular requirements and any relevant national regulations and installation practices or codes.

## 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 124, *Gully tops and manhole tops for vehicular and pedestrian areas — Design requirements, type testing, marking, quality control*

EN 476, *General requirements for components used in drains and sewers*

EN 681-1, *Elastomeric seals — Materials requirements for pipe joint seals used in water and drainage applications — Part 1: Vulcanized rubber*

EN 1119, *Plastics piping systems — Joints for glass-reinforced thermosetting plastics (GRP) pipes and fittings — Test methods for leaktightness and resistance to damage of non-thrust resistant flexible joints with elastomeric sealing elements*

EN 1917, *Concrete manholes and inspection chambers, unreinforced, steel fibre and reinforced*

EN 13101, *Steps for underground man entry chambers — Requirements, marking, testing and evaluation of conformity*

EN 14364:2006+A1:2008, *Plastics piping systems for drainage and sewerage with or without pressure — Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) — Specifications for pipes, fittings and joints*

EN 14396, *Fixed ladders for manholes*

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