



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 1610:1998

ICS 13.060.30

## CONSTRUCTION AND TESTING OF DRAINS AND SEWERS

National Standards  
Authority of Ireland  
Dublin 9  
Ireland

Tel. (01) 807 3800  
Tel: (01) 807 3838

*This Irish Standard was  
published under the  
authority of the National  
Standards Authority of  
Ireland  
and comes into effect on:  
April 24, 1998*

**NO COPYING WITHOUT NSAI  
PERMISSION EXCEPT AS  
PERMITTED BY COPYRIGHT  
LAW**

© NSAI 1998

**Price Code M**

Údarás um Chaighdeáin Náisiúnta na hÉireann



**DECLARATION**  
**OF**  
**SPECIFICATION**  
**ENTITLED**  
  
**CONSTRUCTION AND TESTING OF DRAINS AND SEWERS**

**AS**  
  
**THE IRISH STANDARD SPECIFICATION FOR**  
**CONSTRUCTION AND TESTING OF DRAINS AND SEWERS**

---

NSAI in exercise of the power conferred by section 16 (3) of the National Standards Authority of Ireland Act, 1966 (No. 28 of 1996) and with the consent of the Minister for Enterprise, Trade and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Construction and testing of drains and sewers) Declaration, 1998.
2. (1) The Specification set forth in the schedule to this declaration is hereby declared to be the standard specification for Construction and testing of drains and sewers. The Schedule comprises the text of EN 1610:1997.  
(2) The said standard specification may be cited as Irish Standard EN 1610:1998 or as I.S. EN 1610:1998.



EUROPEAN STANDARD

EN 1610

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 1997

---

ICS 13.060.30

Descriptors: sanitation, pipelines, buried pipes, pressure pipes, junctions, definitions, materials, earthworks, coating processes, implementation, tests

English version

## Construction and testing of drains and sewers

Mise en oeuvre et essai des branchements et collecteurs  
d'assainissement

Verlegung und Prüfung von Abwasserleitungen und -  
kanälen

This European Standard was approved by CEN on 18 May 1997.

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 Central Secretariat or to any CEN member.

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.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

---

<b>Content</b>	<b>Page</b>
<b>Foreword</b> .....	4
<b>1 Scope</b> .....	5
<b>2 Normative references</b> .....	5
<b>3 Definitions</b> .....	5
<b>4 General</b> .....	7
4.1 Concepts .....	7
4.2 Safeguarding design assumptions .....	7
<b>5 Construction components and materials</b> .....	7
5.1 General .....	7
5.2 Construction components .....	8
5.3 Materials used for embedment .....	8
5.4 Materials used for main backfill .....	9
<b>6 Excavation</b> .....	9
6.1 Trenches .....	9
6.2 Trench width .....	9
6.3 Trench stability .....	10
6.4 Trench bottom .....	11
6.5 Dewatering .....	11
<b>7 Embedment and support</b> .....	11
7.1 General .....	11
7.2 Bedding construction types .....	11
7.3 Special methods of bedding or support .....	12
<b>8 Installation</b> .....	13
8.1 Setting out .....	13
8.2 Delivery, handling and transportation on site .....	13
8.3 Storage .....	13
8.4 Lifting of components .....	13
8.5 Laying .....	14
8.6 Special constructions .....	15
8.7 Supporting and anchoring .....	15
8.8 Manholes and inspection chambers .....	15
<b>9 Connections to pipes and manholes</b> .....	16
9.1 General .....	16
9.2 Connection by junctions .....	16
9.3 Connection by connecting fittings .....	16
9.4 Connection by saddle fittings .....	16
9.5 Connection by welding .....	17
9.6 Connection to manholes and inspection chambers .....	17
<b>10 Testing during construction</b> .....	17
<b>11 Backfilling</b> .....	17
11.1 Compaction .....	17
11.2 Placement of the embedment .....	17
11.3 Placement of the main backfill .....	18
11.4 Removal of sheeting .....	18
11.5 Surface reinstatement .....	18

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
  - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-