



National Standards Authority of Ireland

IRISH STANDARD

**I.S. 58:1953**

ICS 93.020

## **CLAYWARE LAND DRAINAGE PIPES**

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# STATUTORY INSTRUMENTS.

S.I. No. 385 of 1953.

STANDARD SPECIFICATION

## (CLAYWARE LAND DRAINAGE PIPES) ORDER, 1953.

IRISH STANDARD 58 : 1953.

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## STANDARD SPECIFICATION (CLAYWARE LAND DRAINAGE PIPES) ORDER, 1953

I, SEAN F. LEMASS, Minister for Industry and Commerce, in exercise of the power conferred on me by subsection (3) of section 20 of the Industrial Research and Standards Act, 1946 (No. 25 of 1946), hereby order as follows :

1. This Order may be cited as the Standard Specification (Clayware Land Drainage Pipes) Order, 1953.

2.—(1) The specification set forth in the Schedule to this Order is hereby declared to be the standard specification for Clayware Land Drainage Pipes.

(2) The said standard specification may be cited as Irish Standard 58 : 1953 or as I.S. 58 : 1953.

### SCHEDULE

#### SCOPE

1. This specification relates to unglazed clayware cylindrical pipes for use in the drainage of land.

#### MATERIALS

2. The pipes shall be manufactured from clays or shales which shall be prepared in such a manner as to be free from particles of limestone, pyrites or other materials which would have a deleterious effect on the finished pipes.

#### WORKMANSHIP

3. The pipes shall be adequately burned, free from cracks and reasonably free from blow holes, indentations, protuberances and blisters. The surface shall be reasonably smooth and the internal surface shall be free from transverse striations or corrugations.

When fractured for examination in different places the pipes shall appear substantially uniform in structure.

Pipes when stood on end while dry shall give a clear ring when tapped with a light hammer.



## DIMENSIONS

4. The pipes shall be circular in cross-section and shall have plain butt ends, which shall be square with the longitudinal axis.

The nominal internal diameters of pipes shall be 3 in., 4 in., and 6 in. The internal diameter throughout the length of any pipe shall not deviate from the nominal internal diameter by more than  $\frac{1}{8}$  inch.

The internal and external surfaces shall be as nearly as practicable coaxial.

The radial thickness of the walls of the pipes shall be not greater than

$\frac{5}{8}$  in. for 3 in. and 4 in. diameter pipes and  
 $\frac{3}{4}$  in. for 6 in. diameter pipes.

The length of the pipes shall be either 12 in. or 13 in. subject to a tolerance of  $\pm \frac{1}{4}$  in.

Deviation from straightness of a pipe when measured by means of a straight edge shall not exceed  $\frac{1}{8}$  in.

*smaller  
provided  
increase  
to  $\frac{3}{8}$  in. as supply  
shut out*

## STRENGTH

5. The pipes, when tested as described in Appendix A, shall support for at least half a minute without signs of failure a load of 1,000 lb., in the case of pipes of 12 in. in length and of 1,085 lb. in the case of pipes of 13 in. in length.

## SELECTION OF PIPES FOR STRENGTH TEST

6. From each batch of pipes, the pipes to be tested for strength shall be selected by the purchaser or his representative as follows:—two per cent. of the pipes when the batch comprises 500 pipes or less, and if the batch comprises more than 500 pipes, two per cent. of the first 500 and one pipe from every 200 or part thereof beyond that number. Should all the pipes pass the test the whole of the pipes comprising the batch shall be deemed to comply with the strength test. Should any of the pipes fail to pass the test there shall be selected from the batch, in a manner agreed between the purchaser and the manufacturer, two additional pipes for each pipe that has failed. If the additional pipes all pass the test, then the whole of the pipes comprising the batch shall be deemed to comply with the strength test.

The selection of pipes for test may be made, at the option of the purchaser, either at the manufacturer's premises or after delivery of the batch of pipes to the purchaser.

Where pipes are selected at the manufacturer's premises, the manufacturer shall arrange for carrying out the tests and shall bear the cost of the tests and of the pipes used.



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