IRISH STANDARD SPECIFICATION

ASBESTOS-CEMENT PRESSURE PIPES

I.S. 188 : 1975

Price £

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OF

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ASBESTOS-CEMENT PRESSURE PIPES

AS

THE IRISH STANDARD SPECIFICATION FOR

ASBESTOS-CEMENT PRESSURE PIPES

The Institute for Industrial Research and Standards in exercise of the power conferred by section 20 of the Industrial Research and Standards Act, 1961 (No. 20 of 1961), and with the consent of the Minister for Industry and Commerce hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Asbestos-Cement Pressure Pipes) Declaration, 1975.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Asbestos-Cement Pressure Pipes.

(2) The said standard specification may be cited as Irish Standard 188:1975 or as I.S. 188:1975.

SCHEDULE

Asbestos-Cement Pressure Pipes

1. SCOPE

1.1 This specification covers the requirements for asbestos-cement pipes and joints suitable for use under pressures specified herein. It defines certain conditions of manufacture, dimensions and acceptance tests applicable to these products.

2. PIPES

2.1 Composition. The pipes shall be made from a close and homogeneous mixture essentially consisting of Portland cement complying with the requirements of Irish Standard 1*, asbestos fibre and water, excluding any materials liable to cause ultimate deterioration in the quality of the pipes.

2.2 Classification. The pipes shall be classified according to the hydrostatic works test pressures shown in Table 1. The relationship between bursting pressure (BP) and the hydrostatic works test pressure (TP) shall be not less than the factors indicated in Table 2.

2.2.1 Choice of class. The maximum allowable sustained operating (or static) pressure for each class of pipe should be 50% of the specified works test pressure. In applying this relationship, consideration should be given to the effect of combined internal pressure and external loading.

Note: Recommendations for the design and construction of asbestos-cement pressure pipelines are given in British Standard Code of Practice 2010: Part 4: 1972 published by the British Standards Institution, 2 Park Street, London W1A 2BS.

2.3 General appearance and finish. The internal surface of the pipes shall be regular and smooth. The parts of the pipe where the rubber jointing rings are located shall comply with the tolerance on outside diameter shown in Table 3 and be free from any irregularity which could affect the water tightness. The shape of the finished ends shall be fixed by the manufacturer to suit the type of joint used.

* Other cements may be used by agreement between the purchaser and manufacturer.