

IRISH STANDARD SPECIFICATION

MASTIC ASPHALT FOR BUILDING

I.S. 65:1973

Price 90p

INSTITUTE FOR INDUSTRIAL RESEARCH AND STANDARDS

Ballymun Road, Dublin 9

Telegrams: Research, Dublin

Telephone 370101

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DECLARATION
OF
SPECIFICATION
ENTITLED
MASTIC ASPHALT FOR BUILDING
AS
THE IRISH STANDARD SPECIFICATION FOR
MASTIC ASPHALT FOR BUILDING

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 (Mastic Asphalt for Building) Declaration, 1973.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Mastic Asphalt for Building.

(2) The said standard specification may be cited as Irish Standard 65: 1973 or as I.S. 65:1973.

3. (1) The Standard Specification (Mastic Asphalt for Damp-Proof Courses and Tanking), 1955 is hereby revoked.

(2) Reference in any other standard specification to the Standard Specification hereby revoked and to Irish Standard 65:1955, thereby prescribed, shall be construed respectively, as references to this Instrument and to Irish Standard 65:1973.

SCHEDULE

Mastic Asphalt for Building

1. SCOPE

This specification covers requirements for various types of mastic asphalt for building composed of ground limestone, coarse aggregate and pigment if required, incorporated with asphaltic cements. The specification is divided into three parts as follows:

PART ONE: General requirements

PART TWO: Mastic asphalt for roofing, tanking and damp-proof courses

PART THREE: Mastic asphalt for flooring, including coloured mastic asphalt

Note: Part Three covers flooring for internal purposes only, and does not cover specialist flooring grades.

PART ONE: GENERAL REQUIREMENTS

2. DEFINITIONS

For the purposes of this specification, the following definitions apply:

2.1 *Bitumen*. A viscous liquid, or a solid, consisting essentially of hydrocarbons and their derivatives, which is soluble in dichloromethane; it is substantially non-volatile and softens gradually when heated. It is black or brown in colour and possesses waterproofing and adhesive properties. It is obtained by refinery processes from petroleum, and is also found as a natural deposit or as a component of naturally occurring asphalt, in which it is associated with mineral matter.

2.2 *Asphaltite*. A naturally occurring substance allied to bitumen, substantially soluble in dichloromethane and characterized by a high softening point.

2.3 *Asphalt*. A mixture of bitumen with a substantial proportion of inert mineral matter.

Note: This term is normally qualified by the indication of the origin (e.g. natural rock asphalt, Trinidad lake asphalt) or type (e.g. mastic asphalt, rolled asphalt).

2.4 *Lake asphalt*. An asphalt which, as found in nature, is in a condition of flow or fluidity.

2.5 *Flux oil*. A substantially non-volatile diluent used for softening bitumen or rendering it less viscous.

2.6 *Asphaltic cement*. Bitumen, lake asphalt, asphaltite or blends of these with one another or with flux oils, having adhesive qualities suitable for the manufacture of mastic asphalt.

2.7 *Limestone*. (Here interpreted in a restricted geological sense.) A naturally occurring consolidated stratified calcareous rock.

2.8 *Pigment*. Finely ground metallic oxide.

2.9 *Mastic asphalt*. A type of asphalt composed of suitably graded mineral matter and asphaltic cement in such proportions as to form a coherent, voidless, impermeable mass, solid or semi-solid under normal temperature conditions, but sufficiently fluid when brought to a suitable temperature to be spread by means of a hand float.

2.10 *Test sieve*. A test sieve complying with Irish Standard 24: 'Test Sieves'.

3. ASPHALTIC CEMENT

3.1 *Properties of asphaltic cement*. Tables 4 and 6 set out the properties of the asphaltic cement for the various types of mastic asphalt and, with the exception of the asphaltic cement for Grade I and for coloured mastic asphalt flooring, provide for asphaltic cement comprised of 100 per cent bitumen (Column B), and the incorporation of 25 per cent lake asphalt (Column T). The purchaser shall state and the supplier shall confirm in his tender to which column in the appropriate table the matter shall be supplied.

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