



I.S. 57: Part 1: 1987

IRISH STANDARD

DAMP-PROOF COURSES
PART 1, BITUMEN DAMP-PROOF COURSES

NATIONAL STANDARDS AUTHORITY OF IRELAND
DUBLIN 9
IRELAND

TELEX: 32501

TELEPHONE: (01) 370101

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FOREWORD

In this revision of I.S. 57 the specification is divided into two parts:

Part 1 "Bitumen damp-proof courses",

Part 2 "Polyethylene damp-proof courses".

The principle of specifying the minimum mass of base materials and bitumen content is retained in this revision. Performance tests are considered not to be feasible at present. The figures given for the minimum mass of base make allowance for the loss in mass which occurs, because of evaporation of natural oils and moisture from the base materials, due to the heating which takes place in the course of the analysis described in Appendix A. The present revision includes modified requirements for surfacing material. 'Notes to Users' gives guidance on the selection and laying of damp-proof courses.

3.

DECLARATION
OF
SPECIFICATION
ENTITLED
DAMP-PROOF COURSES
PART 1, BITUMEN DAMP-PROOF COURSES
AS
THE IRISH STANDARD SPECIFICATION FOR
DAMP-PROOF COURSES
PART 1, BITUMEN DAMP-PROOF COURSES

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 (Damp-Proof Courses, Part 1, Bitumen Damp-Proof Courses) Declaration 1987.

2. (1) The specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Damp-Proof Courses, Part 1, Bitumen Damp-Proof Courses.

(2) The said standard specification may be cited as Irish Standard 57 : Part 1 : 1987 or as I.S. 57 : Part 1 : 1987.

3. (1) The Standard Specification (Damp-Proof Courses) Declaration, 1972, is hereby revoked.

(2) Reference in any other standard specification to the Instrument hereby revoked and to Irish Standard 57 : 1972, thereby prescribed, shall be construed, respectively, as references to this Instrument and to Irish Standard 57 : Part 1 : 1987.

SCHEDULE

DAMP-PROOF COURSES

PART 1, BITUMEN DAMP-PROOF COURSES

1. SCOPE

This specification covers requirements for bitumen damp-proof courses.

(Note: Please see Appendix B for list of reference standards.)

2. BITUMEN DAMP-PROOF COURSES

2.1 Types. Bitumen damp-proof courses and sheeting shall be of the following type:

A. Bitumen damp-proof course with hessian base.

2.2 Components. The minimum requirements for bitumen damp-proof courses and sheeting, summarised in Table 1, are as follows:

2.2.1 Hessian base. The hessian base shall consist of a single layer of plain woven jute cloth with the appropriate moisture free extracted minimum mass obtained by analysis, specified in Table 1, when tested in accordance with the method described in Appendix A. This has been based on the use of nominal 0.20 kg/m^2 hessian.

2.2.2 Saturating material. The saturating material shall consist of bitumen having a penetration within the range of 60 - 230 at 25°C when tested in accordance with B.S. 4691.

2.2.3 Coating material. The coating material shall consist of oxidized bitumen stabilized with mineral filler. The oxidized bitumen used shall have a softening point (ring and ball) within the range of 70°C to 90°C . The coating material shall contain not less than 30% nor more than 50% by mass of finely divided mineral filler. The softening point of the coating bitumen, after the addition of filler, shall not be increased by more than 20°C when tested in accordance with B.S. 4692.

2.2.4 Mineral filler. The stabilizing filler shall consist of suitable mineral matter of which not less than 99% by mass passes a $212 \mu\text{m}$ (micrometre) mesh sieve complying with I.S. 24.

2.2.5 Surfacing material. The surfacing material shall consist of finely divided limestone, finely divided talc, mineral granules or other suitable material which will prevent adhesion between layers of the finished damp-proof course material in the roll.

2.3 Construction. The hessian base shall be fully impregnated with saturant bitumen, the surplus saturant being removed before the coating is applied. The coating material shall be applied to both faces of the impregnated base.

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