

**IRISH STANDARD SPECIFICATION**

**PRECAST PRESTRESSED  
CONCRETE UNITS  
FOR USE IN  
COMPOSITE LINTELS**

I.S. 240 : 1980

*Price £3.75*

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AMENDMENT

No. 1: 1983

OF

STANDARD SPECIFICATION (PRECAST PRESTRESSED CONCRETE UNITS  
FOR USE IN COMPOSITE LINTELS) DECLARATION 1980

IRISH STANDARD 240: 1980

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The Institute for Industrial Research and Standards in exercise of the power conferred by Section 20(5) of the Industrial Research and Standards Act, 1961 (No. 20 of 1961), and with the consent of the Minister for Industry and Energy, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Precast Prestressed Concrete Units for Use in Composite Lintels) Declaration, 1980 (Amendment) No. 1: 1983.

2. Irish Standard 240: 1980 set out in the Schedule to the Standard Specification (Precast Prestressed Concrete Units for Use in Composite Lintels) Declaration 1980, is hereby amended as indicated in the Schedule hereto.

SCHEDULE

**Page 13, Clause 15, Marking and Ordering:** *Delete subclause 15.1 and substitute:*

“15.1 Units shall be marked in accordance with 15.2 and 15.3 and ordered in accordance with 15.4.”

**Page 19, Appendix C Method of Test for Adequacy of Prestress:** *Delete the second sentence of the Note which follows Paragraph C.1.*

*Delete the first sentence of Paragraph C.2 of Appendix C and substitute:*

“C.2 The load shall be applied as in B.2.4 at a uniform rate of 4.5 kN±450 N/minute until a load is reached which will give a maximum tensile stress of  $f_{cu}/10$  in the unit, as determined by calculation, where  $f_{cu}$  is the specified characteristic cube strength of the concrete at 28 days determined in accordance with the requirements of British Standard 1881, Methods of testing concrete.”

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GIVEN under the Seal of the Institute,

this 10th day of October, 1983,

H. O'SULLIVAN,

Chairman of the Board of the Institute.



I consent to the above Declaration –

GIVEN under my Official Seal,

this 1st day of November, 1983,

JOHN BRUTON,

Minister for Industry and Energy.





## **FOREWORD**

This specification covers requirements for prestressed precast concrete units for use in composite lintels. The specification covers general, dimensional manufacturing and performance requirements.

The dimensions given are in harmony with the dimensional requirements of metric modular Irish Standard specifications for blocks, bricks, doorsets and windows. Cognisance has also been taken of the dimensions given in “Modular Components 5: Lintels and Sills” published by An Foras Forbartha. The dimensional requirements of the draft provisional Irish standard specification for modular dimensions of precast prestressed concrete lintels have been incorporated into this specification. As there is no existing Irish Standard specification for lintels it was felt that the specification should give consideration to non-modular lintels which will continue to be used during the transition from imperial to full metric modular construction.

Further standard specifications covering precast concrete sills and reinforced precast concrete lintels are being prepared.

## DECLARATION

OF

SPECIFICATION

ENTITLED

PRECAST PRESTRESSED CONCRETE UNITS FOR USE IN COMPOSITE LINTELS

AS

THE IRISH STANDARD SPECIFICATION FOR

PRECAST PRESTRESSED CONCRETE UNITS FOR USE IN COMPOSITE LINTELS

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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, Commerce and Tourism hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Precast Prestressed Concrete Units for Use in Composite Lintels) Declaration, 1980.

2. (1) The specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Precast Prestressed Concrete Units for Use in Composite Lintels.

(2) The said standard specification may be cited as Irish Standard 240: 1980 or as I.S. 240:1980.

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