

Specification for masonry units —

Part 3: Aggregate concrete masonry units (dense and light-weight aggregates)

The European Standard EN 771-3:2003, with the incorporation of amendment A1:2005, has the status of a British Standard

ICS 91.100.30

National foreword

This British Standard is the official English language version of EN 771-3:2003, including amendment A1:2005.

The start and finish of text introduced or altered by CEN amendment is indicated in the text by tags $\boxed{A1}$ $\langle A1 \rangle$. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment A1 is indicated by $\boxed{A1}$ $\langle A1 \rangle$.

EN 771-3 is a candidate “harmonized” European Standard and fully takes into account the requirements of the European Commission mandate M116, Masonry and related products, given under the EU Construction Products Directive (89/106/EEC), and is intended to lead to CE marking. The date of applicability of EN 771-3 as a “harmonized” European Standard, i.e. the date after which this standard may be used for CE marking purposes, is subject to an announcement in the *Official Journal of the European Communities*.

The Commission in consultation with Member States has agreed a transition period for the co-existence of “harmonized” European Standards and their corresponding national standard(s). It is intended that this period will comprise a period, usually nine months, after the date of availability of the European Standard, during which any required changes to national regulations are to be made, followed by a further period, usually of 12 months, for the implementation of CE marking. At the end of this co-existence period, the national standard(s) will be withdrawn.

EN 771-3:2003 is the subject of transitional arrangements agreed under the Commission mandate. In the UK, the corresponding national standard is:

— BS 6073-1:1981, *Precast concrete masonry units — Part 1: Specification for precast concrete masonry units*;

and based on this transition period of twenty-one months, the above mentioned national standard will be withdrawn in April 2006.

NOTE This date is approximate. Users of this standard should contact BSI Customer Services for confirmation of withdrawal.

Amendments issued since publication

Amd. No.	Date	Comments
16001	9 February 2006	Incorporation of CEN amendment A1:2005 and revision of national Annex NA and national foreword

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The UK participation in its preparation was entrusted by Technical Committee B/519, Masonry and associated testing, to B/519/1, Masonry units, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

EN 771-3 specifies the characteristics and performance requirements for aggregate concrete masonry units available throughout the CEN member countries. It aims to do so in product performance terms, avoiding as far as possible prescriptive requirements and all the traditional designations of aggregate concrete units available throughout Europe. Current products, however, will continue to be manufactured, traded and used, even though they are not referred to by name in this European Standard. The concept of the declared value has been introduced. This is the value for the various properties referred to in this standard that the manufacturer claims for the product. There are other notable differences to which the national annex will refer, in particular the supporting test methods are different and in respect of compressive strength, manufactured aggregate concrete masonry units are designated either Category I or Category II.

The UK National Annex NA attached to this standard provides an informative commentary on the differences between EN 771-3 and BS 6073-1. Nothing in this annex should be construed as specifying requirements other than those contained in the normative parts of this European Standard.

If CE marking is performed, the procedures in Annex ZA will apply. The significance of the CE marking is that the product manufacturer claims compliance with the “harmonized” requirements given in the normative text of the product standard. These relate to the essential requirements of the EU Construction Products Directive. Not all product characteristics need necessarily be given on the CE marking, but those product characteristics covered by regulations in force in each EU Member State, where the manufacturer intends that the product will be used, do need to be stated.

This standard has been written as a performance standard, unlike BS 6073-1, which was a combination of performance and recipe, leading to the following changes.

- There are no standard product sizes given and the distinction between brick and block has been removed. These names have been replaced by the term “masonry units”.
- The order in which the dimensions of blocks are specified has been changed from “length, height and thickness” to “length, width (previously called thickness) and height”.
- Tolerance categories on the manufacturer’s declared dimensions are specified.
- The limit on shell thickness for blocks and the limits on void percentages for bricks have been removed but the manufacturer is required to declare one of the groups defined in EN 1996-1-1 and/or the configuration in 5.3.1 of this standard.
- The manufacturer is required to declare the gross dry density of a unit and, when appropriate, the net dry density of the concrete. The tolerance on these declared values is given.
- The limit on minimum strength has been removed but the manufacturer has to declare the strength together with the category of unit.