

Flexural Strength of Masonry* with Reference to a New Code of Practice for Europe (Eurocode 6)

Cliff Fudge¹, Norman Bright², and Dr. Armin Ohler³

Abstract:

In developing the single European market, it was decided in 1985 to harmonise technical requirements and standards. The single European market is intended to be complete by the end of 1992. One of the harmonised standards in the "Eurocode" for the structural design of masonry. It includes rules for the design of masonry walls subjected to lateral loading based largely on British practice. The paper concentrates on the flexural strength aspect of masonry and indicates the design principle embodied in the draft code. The research and testing background to the code is referred to and the opinion that the code contains a restrictive aspect is highlighted. It is concluded that this restriction is not supported by experimental or practical experience. The limitations are, however, less onerous than the current rules in certain European countries.

To purchase full article: Please use this direct link to purchase the TMS Journal Volume of this article, Volume 11, Issue 2: <https://masonrysociety.org/product/tms-ejournal-vol-11-no-2/>

Otherwise, consider becoming a TMS member for full access to all TMS Journal articles: <https://masonrysociety.org/membership/#join>

DOI: 10.70803/001c.140782

¹ BSc, CEng, MStructE, Kingsway Group plc, 289-293 High Holborn, London, WC1V 7HU

² MPhil, CEng, FICE, FStructE, MIHT, Chairman of CEN TC125 "Masonry", Kingsway Group plc, 289-293 High Holborn, London, WC1V 7HU

³ Chairman of CEN TC 125/WG 1 "Masonry Units", Deutsche Gesellschaft für Mauerwerksbau eV, Schaumburg-Lippe-Strasse 4, 5300 Bonn 1, Germany