



BSI Standards Publication

Execution of steel structures and aluminium structures

Part 5: Technical requirements for cold-formed structural aluminium elements
and cold-formed structures for roof, ceiling, floor and wall applications

National foreword

This British Standard is the UK implementation of EN 1090-5:2017.

BSI, as a member of CEN, is obliged to publish EN 1090-5:2017 as a British Standard. The committee advises the reader that EN 1090-5:2017 was prepared in parallel with EN 1090-4:2016 and includes many similar clauses. Attention is drawn to the fact that during the development of European Standard EN 1090-4:2016, the UK committee CB/203 voted against its approval as a European Standard.

The UK committee voted negatively because of concerns over the relationship with BS EN 14782:2006; the walkability test (which does not address the impact of someone stumbling and/or falling on to the sheeting); the lack of reference to the fragility test; the information that must be made available to those involved in modifications/remedial work where the cladding has been design for stressed skin action; the thickness limits for roof, floor, cladding and other types of cold-formed structural elements; and the number, location and spacing of fasteners used to connect sheeting to the supporting members. The first three of these issues are described more fully in the National Annex of this standard, together with suggestions that should avoid these concerns. Thickness of the elements and numbers of fixings are the responsibility of the designer and will generally be greater than the minimum figures given.

The UK participation in its preparation was entrusted to Technical Committee B/525/9, Structural use of aluminium.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

**Execution of steel structures and aluminium structures -
Part 5: Technical requirements for cold-formed structural
aluminium elements and cold-formed structures for roof,
ceiling, floor and wall applications**

Exécution des structures en acier et des structures en
aluminium - Partie 5 : Exigences techniques pour
éléments en aluminium formés à froid et structures
formées à froid pour applications en toiture, plafond,
paroi verticale et plancher

Ausführung von Stahltragwerken und
Aluminiumtragwerken - Teil 5: Technische
Anforderungen an tragende, kaltgeformte Bauelemente
aus Aluminium und tragende, kaltgeformte Bauteile für
Dach-, Decken-, Boden- und Wandanwendungen

This European Standard was approved by CEN on 6 February 2017.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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