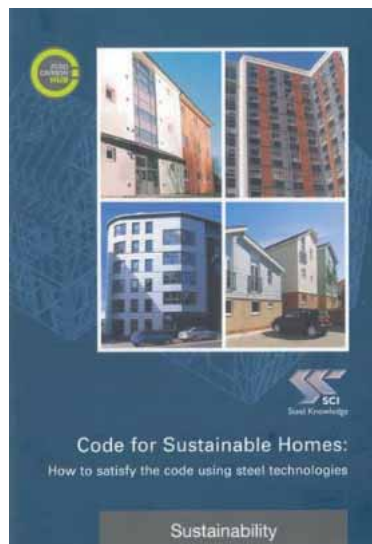


SCI CONSULTANCY: DEVELOPMENT SUSTAINABILITY SUSTAINABLE BUILDING ASSESSMENT

Achieving sustainable homes using steel construction

SCI was commissioned by the Steel Living Group to produce a publication demonstrating how Code Levels 3 and 4 can be readily achieved using steel construction.



How to satisfy the code using steel technologies

The resulting guide focuses on the energy and CO₂ emissions requirements of the Code, since most of the assessment criteria included in the Code are not directly related to the building structure.

The guide presents SAP (Standard Assessment Procedure) results of typical steel residential buildings that comply with Code Levels 3 and 4 and gives guidance on how to achieve highly insulated and airtight steel-based building envelopes that minimise thermal bridging.

Reflecting the growing importance of materials selection and use in construction, the credentials of steel based systems are described and guidance is also given on compliance with the materials category of the Code.

The guide presents a full Code assessment of a steel-framed, medium rise apartment building to illustrate the routes to achieving compliance with Code Levels 3 and 4 that can be anticipated with steel-framed construction.

Supporting the Steel Living Group's objectives

Ian Kemp, Business Development Director, Caledonian Building Systems Ltd comments: "The guide has been used by the group to help demonstrate steel's considerable sustainability credentials; it supported the group's presence at the Futurebuild exhibition and is one of the most frequently requested publications from SCI."



Client:

The Steel Living Group represents UK steel frame manufacturers and builders. It is the leading industry authority focused on developing and promoting the effective use of steel products and systems in all forms of accommodation.

The group has worked to ensure that the significant contribution steel products and systems make towards providing quality, cost effective housing that is kind to the environment is more fully recognised and exploited by the market.

www.steel-living-group.com