

AyrFrame

**Fast Track Modular Construction Solutions
from
AYRSHIRE STEEL FRAMING**



AyrFrame Module During Fabrication



AyrFrame Module Prior to Fit-out



Completed Room



AyrFrame Modules on Site



Another Satisfied Customer

“BUILD with CONFIDENCE, IT’S SIMPLY CHILD’S PLAY”



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AyrFrame

Fast Track Modular Construction Solutions

AyrFrame steel framed room modules are prefabricated from Ayrshire's range of lightweight galvanised cold rolled steel profiles. High strength steel and fully welded construction, combine to give optimum strength, stability and lightness. Exacting quality standards are applied at all stages of manufacture, through to despatch, to ensure accuracy and quality are not compromised.



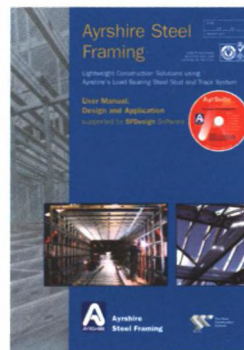
AyrFrame volumetric buildings can be designed as free standing structures, eliminating heavy hot rolled steel or concrete frames. In the UK, multi-rise structures up to 9 storeys high have been designed in accordance with current structural codes of practice, including progressive collapse design.



AyrFrame modules have been used throughout the UK, to successfully fast track new build hotel and student accommodation projects. The ability of the system to adapt to specific site circumstances, is demonstrated by the number of hotel extensions built in the UK and Ireland. Other examples include nursing homes and residential apartment blocks.

AyrFrame prefabricated system build solutions will significantly reduce the construction period by typically up to **35%** in comparison to traditional masonry. The overall saving in weight and speed of erection contribute to major cost savings, including lighter foundations and early occupancy. Individual prefabricated infill floor, wall and ceiling panels can be incorporated within AyrFrame structures, when required.

AyrFrame can be readily matched to the specific project requirements for thermal, fire and acoustic performance, by attaching suitable finishes. Fully fitted-out modules arrive on site ready to be craned into position. All plumbing and electrics can be included.



For information on Framing Applications and Specifications (including AyrFrame) request a copy of the Ayrshire Steel Framing Manual through our web site.

PERFORMANCE

- ◆ **FIRE RESISTANCE:** All structural walls and floors have been tested in accordance with BS476:Part 21:1987, and comfortably exceed the 60 minutes requirement for most applications, and can easily be upgraded to 90 minutes if required.
- ◆ **SOUND RESISTANCE:** The AyrFrame System produces outstanding sound performance, especially when compared to traditional methods. The system has been tested to: BS2750:Part 3:1980, BS EN ISO 140-3:1995 and ISO 140-6:1978.

Party Walls	Rw	56/69 dB
Party Floors	Rw	57/63 dB - Lnw 50 dB

- ◆ **THERMAL INSULATION:** External finishes vary from project to project, but the AyrFrame System easily meets current and imminent Building Regulation requirements, and can be simply upgraded to meet all specifications.