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Summary of Fire Assessment

Reference FEA/F99142B

Issue Date 19 September 2002

JAMES JONES & SONS LTD - JJI 145 - 450 SERIES FLOOR JOIST SYSTEM

Joist description:	Minimum 45mm x 45mm flanges manufactured from softwood with a web of minimum 9mm thick Orientated Strand Board and of overall minimum depth 145mm. Maximum joist centres 600mm
Ceiling linings:	i) 2 layers 15mm Fireline board (BS1230: Part 1: 1985: Type 5), no noggings ii) 12.5mm + 19mm gypsum wallboard no noggings iii) 2 layers of 15mm wallboard with noggings iv) 15mm Glasroc Multiboard™ with noggings
(All linings to be screw fixed at max. 230mm centres)	
Assessed board suppliers	British Gypsum Ltd, Lafarge Plasterboard Ltd & Knauf GmbH
Floor decking:	v) 18mm thick oriented strand board (OSB) vi) 18mm thick flooring grade plywood vii) 21mm thick T&G softwood boarding viii) 21mm flooring grade chipboard
Ceiling cavity insulation: (optional)	Glasswool or rock fibre, maximum density 33 kg/m ³ , laid on top of ceiling lining
Maximum floor span:	As defined by cold state structural requirements

Summary

It is our opinion that any combination of the above constructions, fully described in Chiltern International Fire assessment report FEA/F99142B, would achieve the following performance if tested in accordance with BS476: Part 21: 1987:

Loadbearing capacity: 60 minutes
Integrity: 60 minutes
Insulation: 60 minutes

Validity

The assessment is valid initially for a period of five years from the date of issue, after which time it is recommended that it be submitted to Chiltern International Fire Ltd for reappraisal.

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The summarised information given above outlines the overall scope of the assessment. It is the responsibility of the user to ensure that all requirements of the full assessment report are followed. Chiltern International Fire Ltd accept no responsibility for errors arising from use of this summary.