



Chiltern House Stocking Lane Hughenden Valley
High Wycombe Buckinghamshire HP14 4ND UK

t +44 (0) 1494 569800 f +44 (0) 1494 564895
e cif@chilternfire.co.uk w www.chilternfire.co.uk

Summary of Fire Assessment

Reference FEA/F99142A Revision C

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) 15mm gypsum wallboard (BS1230: Part 1: 1985: Type 1), no board edge noggings ii) 12.5mm gypsum wallboard with 5mm gypsum plaster skim with board edge noggings |
| (All linings to be screw fixed at max. 230mm centres) | iii) 12.5mm 'fire resisting' (BS1230: Part 1: 1985: Type 5) plasterboard with board edge noggings iv) 15mm 'fire resisting' (BS1230: Part 1: 1985: Type 5) plasterboard, no board edge noggings |
| Floor decking: | v) 18mm thick oriented strand board (OSB) vi) 18mm thick flooring grade plywood vii) 18mm thick flooring grade chipboard viii) 21mm thick T&G softwood boarding ix) 21mm thick T&G flooring grade chipboard |
| Ceiling cavity insulation: (optional) | Glasswool or rock fibre, maximum density 33 kg/m ³ , laid on back of ceiling lining |
| Maximum floor span: | As defined by cold state structural requirements |
| Downlighters | Steel construction clip in type up to 130mm Ø minimum 500mm apart |

Summary

It is our opinion that any combination of the above constructions, fully described in Chiltern International Fire assessment report FEA/F99142A, would achieve the following performance if tested in accordance with BS476: Part 21: 1987:

| | |
|------------------------------|-------------------|
| Loadbearing capacity: | 30 minutes |
| Integrity: | 30 minutes |
| Insulation: | 30 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.

Prepared by:

Checked by:

J P Mullett
Principal Consultant

C P A Houchen
Senior Consultant

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.