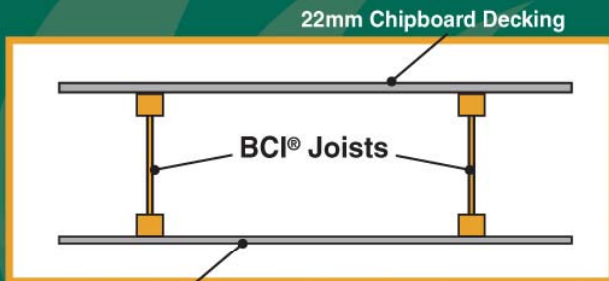


intermediate domestic floors

Approved Document E requires domestic intermediate floors to provide improved resistance to the passage of sound. This can be achieved by installing a 100mm insulation quilt between the joists or by proving by laboratory testing that the floor construction provides a minimum resistance of 40dB.



- tests conducted by Sound Research Laboratories in January 2004
- standard 22mm P5 chipboard used as decking material
- standard 15mm plasterboard used as ceiling material
- standard 241mm deep BCI® Joists positioned at 600mm centres
- standard floor construction achieved 40dB **WITHOUT INSULATION QUILT**

15mm Plasterboard

R_w (dB) for Airborne Sound

BCI® Joist depth	18mm Chipboard 15mm Plasterboard	22mm Chipboard 15mm Plasterboard	22mm Chipboard 15mm Plasterboard with Down Lighters
241	40	40	40
302+*	40+*	40+*	40+*

*data provided by assessment from Sound Research Laboratories

junctions with masonry separating walls

1st July 2004 is the implementation date of the Robust Details for compliance with Approved Document E of the Building Regulations avoiding the need for pre-completion testing for sound performance.

APPENDIX A OF THE ROBUST DETAIL BOOK STATES:

"Internal floor joists at right angles to the separating wall may be supported by metal joist hangers or be built into the wall... provided that proprietary filler pieces are fitted on both sides of the web....the mortar joints around each joist perimeter are recessed or struck, and the joint between the masonry and the timber and any other air paths are carefully pointed with silicone sealant".

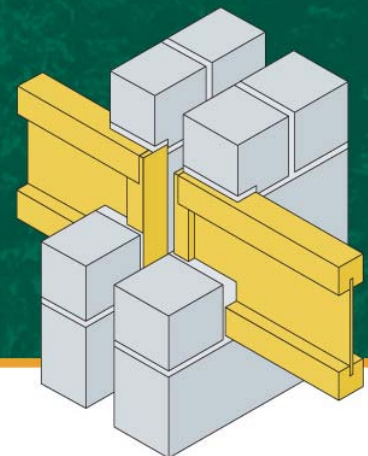
Building joists into walls is recognized as important to provide wall restraint, a safe working platform, with simple and tolerant construction. Appendix A describes the high standard of workmanship required for building joists into walls including the extensive application of silicone sealant.

HOWEVER - APPENDIX A ALSO STATES:

"Proprietary joist caps/ends designed to satisfy the air leakage requirements of Approved Document L1 may be used. They should be installed in accordance with the manufacturer's instructions."

I bloc™ is such a proprietary joist cap - See overleaf for details.

INNOVATION FOR BUILDING IN...
SIMPLICITY FROM BOISE, THE MANUFACTURERS OF THE SIMPLE FRAMING SYSTEM™



Boise Building Products Limited, Building 345, Heyford Park, Upper Heyford, Bicester, Oxfordshire OX25 5HA Tel: 01869 238650 Fax: 01869 238660 Local IJOISTS - 0845 4564787 Web: www.bc.com/uk

fast and safe - push fit - no nails



I-bloc™ is a specially profiled LVL joist cap designed to enable BCI® Joists to be built into external and party walls whilst meeting all relevant Building Regulation requirements.

BUILDING REGULATIONS COMPLIANCE

- Part B (Fire)
- Part E (Sound)
- Part L (Air Leakage)
- NHBC Accepted

advantages

- **no need for expensive propping** - allows decked floors to be used as a safe working platform
- **eliminates air leakage around joist ends** - complies with Approved Document L1
- **no need for additional restraint straps** parallel to the joists
- **quick and easy to fit** - no mechanical fixings required
- **no need for silicone sealant** around joist ends
- **can be used on perimeter and party walls** - Approved Document E (Sound) & B (Fire) compliant
- **NHBC accepted**, following extensive laboratory and field trials
- **the simplest and most cost effective** method of achieving a safe and robust floor construction which meets all current and relevant building regulations



can your current floor construction say NO to all this hassle?

NO to expensive propping

NO to parallel restraint straps

NO to silicone sealant

NO to complicated fixing sequence



I-bloc™, unique to the Simple Framing System™ from Boise

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