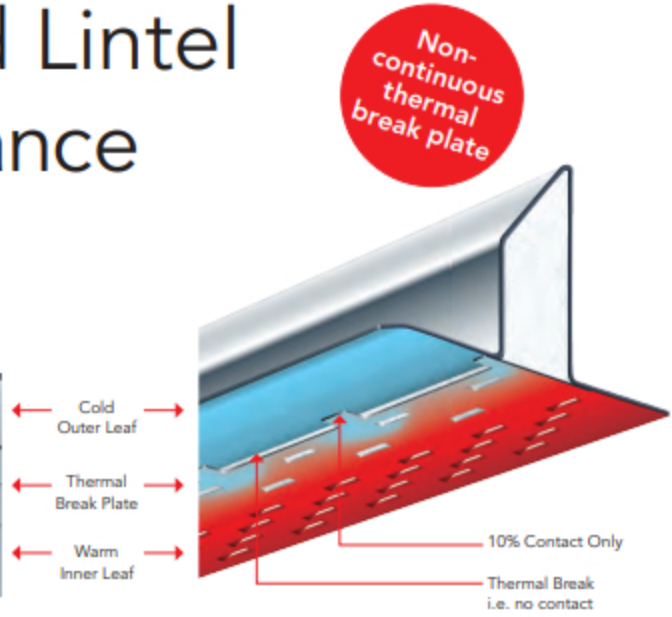
Standard Lintel Performance



Standard IG Lintel with patented non-continuous Thermal Break Plate

FIRE PERFORMANCE

IG lintels have been subjected to a fire test (ref: WARRES No.101263) in accordance with BS 476:Part20: 1987, at Exova Warringtonfire and achieved a one hour fire performance.

GALVANISED STEEL

IG's standard range of lintels are manufactured from high quality grade pre-galvanised mild steel to BS EN 10346:2009 DX51D plus Z600 or grade Z275 to BS EN10025-2:2004 with minimised spangle finish and a minimum yield stress of 250N/mm².

STAINLESS STEEL

Please refer to page 43 for details.

STRUCTURAL PERFORMANCE

The **IG Lintel** range has safe working loads as detailed in each applicable loading table in our **Lintel Guide** brochure. The structural performance figures within each table have been ascertained by testing in accordance with the requirements of standards BS 5977 Part 2 1983 and BS EN 845-2:2003.

The figures take into account the different loading arrangements which are common to traditional cavity wall construction.

Differential Total UDL kN 3:1
Up to 75% loading on the inner leaf.

Differential Total UDL kN 19:1
Up to 95% loading on the inner leaf.

THERMAL PERFORMANCE

All IG standard lintels satisfy the thermal performance requirements of England and Wales' Part L of the building regulations, Northern Ireland's Part F and Scotland's Technical Handbook, section 6.

LINTEL LOAD TABLES

For full details of load tables specific to your lintel type please see Lintel Range & Loading Tables pages 11 - 43.

Lintel types: L1/S 50, L1/S 75, L1/S 100, L1/HD 50, L1/HD 75, L1/HD 100, L1/S 50 WIL 215, L1/S 75 WIL 215, L1/S 100 WIL 215, L1/S 110, L1/S 130, L1/S 150, L10, L7, L11, L8/RB, L1/TJ, INT 100, L9, IBEAM, L1/E 50, L1/E 100, L5, L6 have been tested as a composite unit with surrounding masonry, built in accordance with BS EN 1996-2:2006.

POLYSTYRENE INSULATION

IG's lintels are insulated with expanded cfc-free polystyrene and conform to BS 13163: 2008.

LINTEL LIFE SPAN

The IG lintel range complies with the technical requirements of the BLP (Building Life Plans) regarding the durability data of mild steel, cold formed lintels.