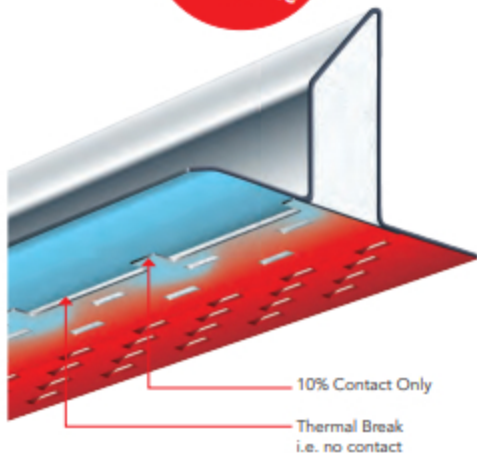


# Standard Lintel Performance

Non-continuous thermal break plate



Cold Outer Leaf  
Thermal Break Plate  
Warm Inner Leaf



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/mm<sup>2</sup>.

## 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/T/J, 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.