

## Declaration of Performance

Number:

184

Revision

A

Product Type:

BHD140

### The Manufacturer

Catnic  
A Tata Steel Enterprise  
Pontypandy Industrial Estate  
Caerphilly  
CF83 3GL

Declares in compliance with the Construction Products Regulation (EU) No. 305/2011, that the steel lintels listed below are manufactured according to the requirements of the European Harmonised Standard EN 845-2: 2003 and fulfil the conditions for CE Marking in accordance with annex ZA of EN 845-2: 2003.

The conformity assessment was executed in accordance with the method stated in tables ZA.2 and ZA.3 (System 3 of Assessment and Verification of Constancy of Performance).

### The Notified Testing Laboratory

University of Glamorgan Commercial Services  
Centre for Engineering, Research and Environmental Applications (CEREA)  
Llantwit Road  
Treforest  
Pontypridd  
CF37 1DL  
(No. 1679)

Performed determination of the product - type on the basis of type testing (based on sampling carried out by the manufacturer) and issued test reports.

### Intended Use of the Construction Product

Lintels to be used in walls and partitions (to support loads over openings in masonry walls with a semi - structural role in the works).

Essential Characteristics	Lintel Length (mm)						Harmonised Technical Specification  EN 845 - 2: 2003
	750 - 1500	1650 - 2100	2250 - 2700	2850 - 3600	3900 - 4800	4850 - 5400	
Load Bearing Capacity (kN)	29	39	39	51	51	35	
<i>Figures shown are safe working loads</i>							
Deflection Under Load	Less than Effective Span/325 at safe working load						
Water Absorption	Zero						
Water Vapour Permeability	Not Applicable						
Mass per unit area (kg/m <sup>2</sup> )	60.5	76.2	59.6	73.9	69.4		
Thermal Resistance	50 W/mK (steel) and 0.038 W/mK (EPS)						
Resistance to Fire	NPD (see Catnic for project specific details)						
Durability (against corrosion)	Material Coating Reference L14 or 16.2						
Durability (against freeze/thaw)	Resistant						
Dangerous Substance	None						
Nominal Height (mm)	143	143	219	219	295		
Mass (kg/m)	8.65	10.9	13.05	16.18	20.48		
Minimum Bearing Length (mm)	150						

Signed on behalf of the manufacturer by:

Richard Price (Technical Director)

Catnic 15/07/2013

(place & date of issue)



(signature)