



A Tata Steel Enterprise

Declaration of Performance

Number:

181

Revision A

Product Type:

BHD100

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 ²)	52.2	65.7	56.6	71.7	63.8		
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)	7.46	9.4	12.4	15.7	18.82		
Minimum Bearing Length (mm)	150						

Signed on behalf of the manufacturer by:

Richard Price (Technical Director)

Catnic 07/10/2013

(place & date of issue)

(signature)