



A Tata Steel Enterprise

## Declaration of Performance

Number:

47

Revision

Product Type:

CX90/100

### 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)			
	900 - 2700	2850 - 3000	3300 - 3900	4200 - 4800
Load Bearing Capacity (kN)	60	55	50	32
Load Ratio 1:1 and 19:1				
<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> )	73.3		88.7	
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)	231			
Mass (kg/m)	16.93		20.48	
Minimum Bearing Length (mm)	150			

Harmonised  
Technical  
Specification

EN 845 - 2: 2003

Signed on behalf of the manufacturer by:

Richard Price (Technical Director)

Catnic 16/04/2013

(place & date of issue)

(signature)