

## Declaration of Performance

Number:

1

Revision

Product Type:

CG50/100

### 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)                                |      |      |      |      |             | Harmonised<br>Technical<br>Specification<br><br>EN 845 - 2: 2003 |
|---|---|------|------|------|------|-------------|--|
|   | 900 - 1500  | 1800 | 2100 | 2400 | 2700 | 3000 - 3600 |  |
| Load Bearing Capacity (kN)                  | 15  | 18   | 20   | 22   | 26   | 26          |  |
| Load Ratio 1:1 and 3:1                      |   |      |      |      |      |             |  |
| <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> )     | 41.4  | 54.1 | 49.8 | 48.3 | 45.3 | 56.6        |  |
| 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)                         | 140   | 140  | 160  | 180  | 220  | 220         |  |
| Mass (kg/m)                                 | 5.8   | 7.57 | 7.96 | 8.7  | 9.97 | 12.45       |  |
| Minimum Bearing Length (mm)                 | 150   |      |      |      |      |             |  |

Signed on behalf of the manufacturer by:

Richard Price (Technical Director)

Catnic 16/04/2013

(place & date of issue)



(signature)