



# Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: 204

Revision:

Product type: MC50b

Intended use: : To be used in walls and partitions, as an ancillary components for masonry  
(BSEN 1993-1-3 Structural Class III, intended to be used as a element that only transfers loads to the structure)

Manufacturer:

Harvey Steel Lintels  
Commerce way, Whitehall Industrial Estate  
Colchester, Essex CO2 8HH

The Notified Testing Laboratory:

University of Glamorgan Commercial Services Centre for Engineering,  
Research and Environmental Applications (CEREA)  
Llantwit Road, Treforest Pontypridd, CF37 1DL

Assessment and Verification of Constancy of Performance: System 3

This DOP is covered by following harmonised standard:

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

Declared Performance:

| Essential Characteristics                      | Performance   |
|--|---|
| Load Bearing Capacity (E <sub>k</sub> , in kN) | Given in TableA1 as safe working loads (SWL) under uniform distributed loading (UDL)                    |
| Deflection Under Load                          | Less than effective span/325 as safe working load in service limit state (EN 1990: 2002 + A1 ; 2005 NA) |
| Water Absorption                               | Zero  |
| Water Vapour Permeability                      | Not Applicable  |
| Thermal Resistance                             | Steel 64 W / m.k  |
| Resistance to Fire                             | NPD (Contact Harvey steel for project specific details) document A                                      |
| Durability (against corrosion)                 | Coating L14   |
| Durability (against freeze/thaw)               | Resistant   |
| Dangerous Substance                            | None  |
| Minimum Bearing Length (mm)                    | 150 mm  |

|   |            |
|---|------------|
| Nominal Height (mm)                     | 232.0      |
| Mass per unit area (kg/m <sup>2</sup> ) | NPD        |
| Mass (kg/m)                             | 20.5       |
| Load Ratio                              | 1:1 - 1:19 |

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EN 845 - 2 : 2012, Specification for ancillary components for masonry - Part 2: Lintels

**TableA1:**  
**Load bearing capacity**

| Clear Opening span (mm) | SWL UDL (kN) |
|-------------------------|--------------|
| 600                     | 60           |
| 750                     | 60           |
| 900                     | 60           |
| 1050                    | 60           |
| 1200                    | 60           |
| 1350                    | 60           |
| 1500                    | 60           |
| 1650                    | 60           |
| 1800                    | 60           |
| 1950                    | 60           |
| 2100                    | 60           |
| 2250                    | 60           |
| 2400                    | 60           |
| 2550                    | 57           |
| 2700                    | 54           |
| 2850                    | 51           |
| 3000                    | 49           |
| 3150                    | 47           |
| 3300                    | 45           |
| 3450                    | 43           |
| 3600                    | 41           |
| 3750                    | 39           |
| 3900                    | 38           |
| 4050                    | 37           |
| 4200                    | 35           |
| 4350                    | 34           |
| 4500                    | 33           |

**Note:**

Issued under the sole responsibility of Harvey steel Lintels

Signed on behalf of the manufacturer by :

Harvey Steel 01.07.2013

(Place and date of issue)

David Harvey (Managing director)

(Signature)