



# Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: 207

Revision:

Product type: HD4 150

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 ( $E_k$ , 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  |

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

| TableA1:<br>Load bearing capacity |              |
|-----------------------------------|--------------|
| Clear Opening span (mm)           | SWL UDL (kN) |
| 600                               | 165          |
| 900                               | 165          |
| 1200                              | 165          |
| 1500                              | 165          |
| 1800                              | 165          |
| 2100                              | 165          |
| 2400                              | 165          |
| 2700                              | 165          |
| 3000                              | 165          |
| 3300                              | 158          |
| 3600                              | 145          |
| 3900                              | 135          |
| 4200                              | 125          |
| 4500                              | 117          |
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|---|------------|
| Nominal Height (mm)                     | 310.0      |
| Mass per unit area (kg/m <sup>2</sup> ) | NPD        |
| Mass (kg/m)                             | 41.6       |
| Load Ratio                              | 1:1 - 1:19 |

**Note:**

Issued under the sole responsibility of Harvey steel Lintels

Signed on behalf of the manufacturer by :

David Harvey (Managing director)

Harvey Steel 01.07.2013

(Place and date of issue)

(Signature)