



# Declaration of Performance

EU Regulation No 305/2011, Annex III

**DOP Number:** CC24

**Revision:**

**Product type:** 509

**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/360 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)                 | Material Coating reference L4h  |
| Durability (against freeze/thaw)               | Resistant   |
| Dangerous Substance                            | None  |
| Minimum Bearing Length (mm)                    | 150 mm  |

|   |  |
|---|--|
| Nominal Height (mm)                     | 242.0  |
| Mass per unit area (kg/m <sup>2</sup> ) | NPD  |
| Mass (kg/m)                             | 26.9   |
| Load Ratio                              | 65 - 100% Max load: 1:1 - 1:14 or <65% Max load 3:1 - 1:19 |

**hEN**

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

**TableA1:  
Load bearing capacity**

| Clear Opening span (mm) | SWL UDL (kN) |
|-------------------------|--------------|
|                         |              |
|                         |              |
|                         |              |
|                         |              |
|                         |              |
| 1200                    | 98           |
| 1350                    | 98           |
| 1500                    | 98           |
| 1650                    | 98           |
| 1800                    | 98           |
| 1950                    | 98           |
| 2100                    | 98           |
| 2250                    | 98           |
| 2400                    | 97.4         |
| 2550                    | 92           |
| 2700                    | 87.2         |
| 2850                    | 82.8         |
| 3000                    | 78.9         |
| 3150                    | 75.3         |
| 3300                    | 72           |
| 3450                    | 69           |
| 3600                    | 66.3         |
| 3750                    | 63.7         |
| 3900                    | 61.3         |
| 4050                    | 59.2         |
| 4200                    | 57.1         |
| 4350                    | 55.2         |
| 4500                    | 53.4         |

**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)