



# Declaration of Performance

EU Regulation No 305/2011, Annex III

**DOP Number:** 338

**Revision:**

**Product type:** SC150b

**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)                     | 225.0     |
| Mass per unit area (kg/m <sup>2</sup> ) | NPD       |
| Mass (kg/m)                             | 22.8      |
| Load Ratio                              | 1:1 - 1:5 |

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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                               | 56           |
| 750                               | 56           |
| 900                               | 56           |
| 1050                              | 56           |
| 1200                              | 56           |
| 1350                              | 56           |
| 1500                              | 56           |
| 1650                              | 56           |
| 1800                              | 56           |
| 1950                              | 52           |
| 2100                              | 49           |
| 2250                              | 46           |
| 2400                              | 43           |
| 2550                              | 41           |
| 2700                              | 38           |
| 2850                              | 37           |
| 3000                              | 35           |
| 3150                              | 33           |
| 3300                              | 32           |
| 3450                              | 30           |
| 3600                              | 29           |
| 3750                              | 28           |
| 3900                              | 27           |
| 4050                              | 26           |
| 4200                              | 25           |
| 4350                              | 24           |
| 4500                              | 23           |

**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)