



Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: 277

Revision:

Product type: MC90Eb

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 |

| | |
|---|------------|
| Nominal Height (mm) | 232.0 |
| Mass per unit area (kg/m ²) | NPD |
| Mass (kg/m) | 27.2 |
| 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 | 58 |
| 2700 | 55 |
| 2850 | 52 |
| 3000 | 50 |
| 3150 | 47 |
| 3300 | 45 |
| 3450 | 43 |
| 3600 | 42 |
| 3750 | 40 |
| 3900 | 39 |
| 4050 | 37 |
| 4200 | 36 |
| 4350 | 35 |
| 4500 | 34 |

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)