



# Declaration of Performance

EU Regulation No 305/2011, Annex III

**DOP Number:** 210

**Revision:**

**Product type:** MC50Ea

**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)	157.0
Mass per unit area (kg/m <sup>2</sup> )	NPD
Mass (kg/m)	17.2
Load Ratio	1:1 - 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)
600	40
750	40
900	40
1050	40
1200	40
1350	40
1500	40
1650	40
1800	40
1950	40
2100	40
2250	38
2400	36
2550	34
2700	32
2850	30
3000	29
3150	28
3300	26
3450	25
3600	24
3750	22
3900	21
4050	19
4200	18
4350	17
4500	16

**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)