



# Declaration of Performance

EU Regulation No 305/2011, Annex III

**DOP Number:** DC24

**Revision:**

**Product type:** 542

**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)	233.0
Mass per unit area (kg/m <sup>2</sup> )	NPD
Mass (kg/m)	22.8
Load Ratio	-

**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	118.3
750	118.3
900	118.3
1050	118.3
1200	102.1
1350	82.7
1500	68.3
1650	57.4
1800	48.9
1950	42.2
2100	36.8
2250	32.3
2400	28.6
2550	25.5
2700	22.9
2850	20.7
3000	18.8
3150	17.1
3300	15.6
3450	14.4
3600	13.2
4350	

**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)