



# Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: DL22

Revision:

Product type: 539

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)	221.0
Mass per unit area (kg/m <sup>2</sup> )	NPD
Mass (kg/m)	19.1
Load Ratio	-

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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	54.1
750	54.1
900	54.1
1050	54.1
1200	54.1
1350	48.7
1500	44.3
1650	40.6
1800	37.4
1950	34.8
2100	32.5
2250	30.4
2400	28.6
2550	27
2700	25.6
2850	24.3
3000	23.2
3150	22.1
3300	21.2
3450	20.3
3600	19.5
3750	18.7
3900	18
4050	17.4
4200	16.8
4350	16.2
4500	15.7

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)