



Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: OLH21

Revision:

Product type: 565

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/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)	217.0
Mass per unit area (kg/m ²)	NPD
Mass (kg/m)	16.2
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	55.3
750	55.3
900	55.3
1050	55.3
1200	55.3
1350	55.3
1500	55.3
1650	55.3
1800	55.3
1950	51.3
2100	47.9
2250	44.9
2400	42.3
2550	39.9
2700	37.8
2850	35.9
3000	34.2
3150	32.7
3300	31.2
3450	29.9
3600	28.7
3750	27.4
3900	25.3
4050	23.5
4200	21.9
4350	20.4
4500	19

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)