



Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: OLH27

Revision:

Product type: 566

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)	275.0
Mass per unit area (kg/m ²)	NPD
Mass (kg/m)	20.1
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	83.4
750	83.4
900	83.4
1050	83.4
1200	83.4
1350	83.4
1500	83.4
1650	83.4
1800	83.4
1950	83.4
2100	77.8
2250	73
2400	68.7
2550	64.9
2700	61.5
2850	58.4
3000	55.6
3150	53.1
3300	50.8
3450	48.7
3600	46.7
3750	44.9
3900	43.2
4050	41.7
4200	40.3
4350	38.9
4500	37.7

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)