



Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: DB23

Revision:

Product type: 549

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)	225.0
Mass per unit area (kg/m ²)	NPD
Mass (kg/m)	24.0
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	142.1
750	142.1
900	142.1
1050	142.1
1200	142.1
1350	142.1
1500	142.1
1650	142.1
1800	142.1
1950	142.1
2100	132.6
2250	124.3
2400	117
2550	110.5
2700	104.7
2850	99.4
3000	94.7
3150	90.4
3300	86.5
3450	80.9
3600	74.3
3750	68.4
3900	63.3
4050	58.7
4200	54.6
4350	50.9
4500	47.5

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)