

## **Declaration of Performance**

EU Regulation No 305/2011, Annex III

DOP Number: SL19 Revison:

Product type: 514

<u>Intended use:</u>: To be used in walls and partitions, as an ancillar 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 coverd 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 (Ek, 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 Steel 64 W / m.k Thermal Resistance NPD (Contact Harvey steel for project specific details) document A Resistance to Fire Durability (against corrosion) Material Coating referrence L4h Durability (against freeze/thaw) Resistant Dangerous Substance None Minimum Bearing Length (mm) 150 mm

Nominal Height (mm)	56.0
Mass per unit area (kg/m²)	NPD
Mass (kg/m)	11.0
Load Ratio	-

EN 845 - 2 : 2012, Specification for ancillary components for masonary - Part 2: Lintels

Clear Opening span (mm)	SWL UDL (kN)
600	26.4
750	22
900	18.8
1050	16.5
1200	14.7
1350	13.2
1500	12
1650	11
1800	10.1
1950	9.4
2100	8.8
2250	8.2
2400	7.8
2550	7.3
2700	6.5
2850	5.9
3000	5.3
3150	4.9
3300	4.5
3450	4.1
3600	3.8
3750	3.5
3900	
4050	

TableA1:

Load bearing capacity

## 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)