Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: 513 Revison: a

Product type: SL17

Intended use: : 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 covered by following harmonised standard:
Manufactured according to the requirements of the European Harmonised Standard EN 845-2: 2003 and fulfil the conditions for UKAS Marking in accordance with annex ZA of EN 845-2: 2003.
European Harmonised Standard EN 1090-1 :2009+A1:2011 and fulfil the conditions for UKAS Marking in accordance with annex ZA of EN 1090-1:2009 The conformity assessment was executed in accordance with the method stated in tables ZA.2 and ZA.3 of the above standards. Factory Production Control Certificate GB16/871495 refers

Declared Performance:

Essential Characteristics	Performance	hEN
Load Bearing Capacity (E_k, in kN)	Given in TableA1 as safe working loads (SWL) under uniform distributed loading (UDL)	EN 845 - 2 : 2012, Specification for ancillary components for masonary - Part 2: Lintels
Deflection Under Load	Less than effective span/325 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)	Coating L14	
Durability (against freeze/thaw)	Resistant	
Dangerous Substance	None	
Minimum Bearing Length (mm)	150 mm	

Nominal Height (mm)	171.0
Mass per unit area (kg/m^2)	NPD
Mass (kg/m)	8-9.3
Load Ratio	-

TableA1: Load bearing capacity

Clear Opening span (mm)	SWL UDL (kN)
600	15.7
750	13.1
900	11.2
1050	9.8
1200	8.7
1350	7.8
1500	7.1
1650	6.5
1800	6
1950	5.5
2100	5.1
2250	4.5
2400	3.9
2550	3.5
2700	3.2
2850	2.8
3000	2.6
3150	2.4
3300	2.2
3450	2

Note:

Issued under the sole responsibility of Harvey steel Lintels

Signed on behalf of the manufacturer by : Michael Polley (General Manager)

Harvey Steel 01.01.2025

(Place and date of issue)