



Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: 251

Revision: a

Product type: HD4 170

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 Constasy 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
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/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)	310.0
Mass per unit area (kg/m^2)	NPD
Mass (kg/m)	53.6
Load Ratio	1:1 - 1:19

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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	175
900	175
1200	175
1500	175
1800	175
2100	175
2400	175
2700	175
3000	175
3300	159
3600	147
3900	136
4200	126
4500	1118
4800	111
5100	105

Note:

Issued under the sole responsibility of Harvey steel Lintels

Signed on behalf of the manufacturer by :
Harvey Steel 01.01.2025
(Place and date of issue)

Michael Polley (General Manager)