Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: 221 Revison: a

Product type: HD4 220

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

TableA1: Load bearing capacity

Clear Opening span (mm)	SWL UDL (kN)
600	196
900	196
1200	196
1500	196
1800	196
2100	196
2400	196
2700	196
3000	196
3300	187
3600	172
3900	159
4200	148
4500	139
4800	130
5100	123

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)	310.0
Mass per unit area (kg/m^2)	NPD
Mass (kg/m)	58.0
Load Ratio	1:1 - 1:19

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)