

Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: 344 Revison: a

Product type: SC150Ea

 $\underline{\text{Intended use:}}: \quad \text{To be used in walls and partitions, as an ancillar components for masonry}$

(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	
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	
1		

Nominal Height (mm)	150.0
Mass per unit area (kg/m²)	NPD
Mass (kg/m)	20.6
Load Ratio	1:1 - 1:5

Clear Opening span (mm)	SWL UDL (kN)	
600	37	
750	37	
900	37	
1050	37	
1200	37	
1350	37	
1500	37	
1650	37	
1800	34	
1950	32	
2100	30	
2250	28	
2400	26	
2550	25	

TableA1:

Load bearing capacity

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)

May