



Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: 253

Revision: a

Product type: SC80Eb

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 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

Nominal Height (mm)	196.0
Mass per unit area (kg/m^2)	NPD
Mass (kg/m)	21.9
Load Ratio	1:1 - 1:5

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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	50
750	50
900	50
1050	50
1200	50
1350	50
1500	50
1650	47
1800	43
1950	40
2100	38
2250	35
2400	33
2550	32
2700	30
2850	28
3000	27
3150	26
3300	25
3450	24
3600	23
3750	22
3900	21
4050	20
4200	20
4350	19
4500	18

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)