



Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: SC23

Revision:

Product type: 522

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 CE Marking in accordance with annex ZA of EN 845-2: 2003.
The conformity assessment was executed in accordance with the method stated in tables ZA.2 and ZA.3

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/360 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)	Material Coating reference L4h
Durability (against freeze/thaw)	Resistant
Dangerous Substance	None
Minimum Bearing Length (mm)	150 mm

Nominal Height (mm)	232.0
Mass per unit area (kg/m ²)	NPD
Mass (kg/m)	8.6
Load Ratio	-

hEN

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	30
750	30
900	30
1050	30
1200	30
1350	30
1500	30
1650	30
1800	30
1950	30
2100	29.9
2250	28
2400	26.4
2550	24.9
2700	23.6
2850	22.4
3000	21.3
3150	20.4
3300	19.5
3450	18.7
3600	17.9
3750	17.2
3900	16.6
4050	16
4200	15.3
4350	14.2
4500	13.3

Note:

Issued under the sole responsibility of Harvey steel Lintels

Signed on behalf of the manufacturer by :

Harvey Steel 01.07.2013

(Place and date of issue)

David Harvey (Managing director)

(Signature)