



# Declaration of Performance

EU Regulation No 305/2011, Annex III

**DOP Number:** SC23

**Revision:**

**Product type:** 518

**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

TableA1: Load bearing capacity	
Clear Opening span (mm)	SWL UDL (kN)
600	
750	12.2
900	9
1050	6.9
1200	5.4
1350	4.4
1500	3.6
1650	3.1
1800	2.6
1950	2.2
2100	2
2250	
2400	
2550	
2700	

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EN 845 - 2 : 2012, Specification for ancillary components for masonry - Part 2: Lintels

**Declared Performance:**

Essential Characteristics	Performance
Load Bearing Capacity (E <sub>k</sub> , 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 <sup>2</sup> )	NPD
Mass (kg/m)	8.6
Load Ratio	-

**Note:**

Issued under the sole responsibility of Harvey steel Lintels

Signed on behalf of the manufacturer by : David Harvey (Managing director)  
Harvey Steel 01.07.2013  
(Place and date of issue)  (Signature)