



# Declaration of Performance

EU Regulation No 305/2011, Annex III

**DOP Number:** SB22

**Revision:**

**Product type:** 530

**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 <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)	215.0
Mass per unit area (kg/m <sup>2</sup> )	NPD
Mass (kg/m)	21.1
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	158.1
750	158.1
900	158.1
1050	158.1
1200	158.1
1350	158.1
1500	158.1
1650	144.9
1800	133.8
1950	124.2
2100	115.9
2250	108.7
2400	102.3
2550	96.6
2700	91.5
2850	86.9
3000	82.8
3150	75.7
3300	69
3450	63.1
3600	58
3750	53.4
3900	49.4
4050	45.8
4200	42.6
4350	39.7
4500	37.1

**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)