



# Declaration of Performance

EU Regulation No 305/2011, Annex III

**DOP Number:** 229 Revision:  
**Product type:** HD4 150  
**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

<b>TableA1: Load bearing capacity</b>	
<b>Clear Opening span (mm)</b>	<b>SWL UDL (kN)</b>
600	165
900	165
1200	165
1500	165
1800	165
2100	165
2400	165
2700	165
3000	165
3300	158
3600	145
3900	135
4200	125
4500	117

<b>Essential Characteristics</b>	<b>Performance</b>
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/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

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

Nominal Height (mm)	310.0
Mass per unit area (kg/m <sup>2</sup> )	NPD
Mass (kg/m)	53.0
Load Ratio	1:1 - 1:19

**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)