Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: CA19 Revison:

Product type: 502

Intended use: : To be used in walls and partitions, as an ancillar 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 coverd 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	hEN
Load Bearing Capacity (E_k, in kN)	Given in TableA1 as safe working loads (SWL) under uniform distributed loading (UDL)	EN 845 - 2 : 2012, Specification for ancillary components for masonary - Part 2: Lintels
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 referrence L4h	
Durability (against freeze/thaw)	Resistant	
Dangerous Substance	None	
Minimum Bearing Length (mm)	150 mm	

Nominal Height (mm)	242.0
Mass per unit area (kg/m^2)	NPD
Mass (kg/m)	9.6
Load Ratio	65 - 100% Max load: 1:1 - 1:3 or <65% Max load 2:1 - 1:5

TableA1: Load bearing capacity

Clear Opening span (mm)	SWL UDL (kN)
600	42
750	42
900	42
1050	42
1200	42
1350	42
1500	42
1650	42
1800	38.8
1950	36
2100	33.6
2250	31.5
2400	29.6
2550	28
2700	26.5
2850	25.2
3000	24
3150	21.9
3300	19.9
3450	18.2
3600	16.8
3750	15.4
3900	14.3

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)