Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: 281 Revison:

Product type: SC90EEa

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/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	

Nominal Height (mm)	125.0
Mass per unit area (kg/m^2)	NPD
Mass (kg/m)	25.5
Load Ratio	1:1 - 1:5

TableA1:
Load bearing capacity

Clear Opening span (mm)	SWL UDL (kN)
600	30
750	30
900	30
1050	30
1200	30
1350	30
1500	27
1650	25
1800	23
1950	21
2100	20
2250	18
2400	17
2550	16

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)