# Declaration of Performance

EU Regulation No 305/2011, Annex III

DOP Number: SB7 Revison:

Product type: 527

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

**TableA1: Load bearing capacity**

| Clear Opening span (mm) | SWL UDL (kN) |
|---|---|
| 600 | 34.9 |
| 750 | 29.1 |
| 900 | 24.9 |
| 1050 | 21.8 |
| 1200 | 18.8 |
| 1350 | 14.8 |
| 1500 | 12 |
| 1650 | 9.9 |
| 1800 | 8.3 |
| 1950 | 7.1 |
| 2100 | 6.1 |

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) | 73.0 |
| Mass per unit area (kg/m$^2$) | NPD |
| Mass (kg/m) | 5.5 |
| 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)