

## Declaration of Performance

DoP - NCA S400 issue B

- 1 Product:** NCA Series 400
- 2 Intended use:** Fire damper
- Intended to be used in conjunction with partitions to maintain fire compartments in heating, ventilating and air conditioning installations
- 3 Manufacturer:** HVC Supplies (Stourbridge) Ltd  
Jason House  
91 - 95 King William Street  
Amblecote  
West Midlands  
DY8 4EY  
United Kingdom
- www.h-v-c.com
- 5 System of AVCP:** System 1
- 6 Harmonised standard:** EN 15650:2010
- Notified body:** 0370  
LGAI Technological Center, S.A (Applus)
- Certificate of constancy of performance no.:** 0370-CPR-6148
- 7 Declared performances:** See below

### Essential characteristics: Fire resistance

Installation code	Frame type	Supporting construction		Orientation	Nominal size range (diameter, mm)		Classification (EN 13501-3)
		Type	Details		Minimum	Maximum	
S400-2VP	Plate	Flexible wall	Thickness ≥ 94mm Fire resistance ≥ 60 minutes Minimum EI60 group A (per EN 1363-1:2020)	Vertical	100	315	E 120 (ve i→o) S
S400-2VM	Plate	Rigid wall	Thickness ≥ 100mm	Vertical			E 120 (ve i→o) S
S400-2HC	Plate	Concrete floor	Thickness ≥ 150mm Density ≥ 500kg/m <sup>3</sup>	Horizontal			E 120 (ho i→o) S

### Essential characteristics: Other

Nominal activation conditions/sensitivity: • sensing element load bearing capacity • sensing element response temperature	Pass
Response delay (response time): • closure time	Pass
Operational reliability: • cycling (50 cycles)	Pass
Durability of response delay: • sensing element response to temperature and load bearing capacity	Pass
Durability of operational reliability • open and closing cycle tests (10,000 cycles)	Pass

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



**Mr J P Nicklin**  
Director

Amblecote, 23/11/2022