

Declaration of Performance

DoP - NCA S400 issue C

- 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 $\geq 100\text{mm}$ 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 $\geq 100\text{mm}$	Vertical			E 120 (ve i→o) S
S400-2HC	Plate	Concrete floor	Thickness $\geq 150\text{mm}$ Density $\geq 500\text{kg/m}^3$	Horizontal			E 120 (ho i→o) S

Essential characteristics: Other

Nominal activation conditions/sensitivity: <ul style="list-style-type: none">sensing element load bearing capacitysensing element response temperature	Pass
Response delay (response time): <ul style="list-style-type: none">closure time	Pass
Operational reliability: <ul style="list-style-type: none">cycling (50 cycles)	Pass
Durability of response delay: <ul style="list-style-type: none">sensing element response to temperature and load bearing capacity	Pass
Durability of operational reliability <ul style="list-style-type: none">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, 04/06/2024