

Declaration of Performance

DoP - NCA S100 issue I (formerly 'DOP-1')

- 1 Product:** NCA Series 100
- 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:** 2831
BRE Global Assurance (Ireland) Ltd
- Certificate of constancy of performance no.:** 2831-CPR-P0015
- 7 Declared performances:** See below

Essential characteristics: Fire resistance							
Installation code	Frame type	Supporting construction		Orientation	Nominal size range (w x h, mm)		Classification (EN 13501-3)
		Type	Details		Maximum (single section)	Maximum (multiple section)	
S100-1V (formerly FD-1V)	HEVAC	Rigid wall	Thickness $\geq 150\text{mm}$ Density $\geq 650\text{kg/m}^3$	Vertical	1250 x 1000	Unlimited [†]	E 120 (ve i→o)
S100-2VP (formerly FD-2VP)	Plate	Flexible wall	Thickness $\geq 122\text{mm}$ Fire resistance ≥ 120 minutes Minimum EI120 group A (per EN 1363-1:2020)	Vertical	1000 x 1000	Unlimited [†]	E 120 (ve i→o)
S100-2VM (formerly FD-2VM)	Plate	Rigid wall	Thickness $\geq 130\text{mm}$	Vertical	1000 x 1000	Unlimited [†]	E 120 (ve i→o)
S100-2HC (formerly FD-2HC)	Plate	Concrete floor	Thickness $\geq 150\text{mm}$ Density $\geq 600\text{kg/m}^3$	Horizontal	1000 x 1000	Not available	E 120 (ho i→o)

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)	Not relevant

[†] Multiple assemblies larger than 2 x 2 arrays are permitted provided they are structurally supported to a fire-safe design provided by competent structural engineers.

Signed for and on behalf of the manufacturer by:



Mr J P Nicklin
Director

Amblecote, 05/09/2023

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.