# DECLARATION OF PERFORMANCE

## DOP-FSD-C-04

1. Unique identification code of the product-type:
   **FSD-C fire damper** (see table below for specific damper installation type)
   **To be used in conjunction with walls/partitions/floors to maintain fire compartments in heating, ventilating and air conditioning installations**
2. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5) of the CPR (Regulation (EU) no 305/2011):
   **BSB Engineering Services Ltd,**
   **Unit 56, Mill Way, Trinity Trade Centre, Sittingbourne, Kent, ME10, 2PD**
3. System or systems of assessment and verification of constancy of performance of the construction product as set out in the CPR, Annex V:
   **System 1**
4. In case of the declaration of performance concerning a construction product covered by a harmonized standard:
   **BRE Global Assurance (Ireland) Ltd (2831) performed the determination of the product type on the basis of type testing (including sampling), type calculation, tabulated values or descriptive documentation of the product, the initial inspection of the manufacturing plant and of factory production control and continuous surveillance, assessment and evaluation of factory production control under system 1 and issued the certificate of constancy of performance of the factory production control (no. CPR-P0009).**
5. Declared performance according to:
   **EN 15650 (Ventilation for Buildings – Fire Dampers)**

| Essential Characteristics | Performance | Harmonised technical specification: EN 15650:2010 |
|---|---|---|

**Fire resistance according to EN 1366-2 and classifications according to EN 13501-3:**

| Range | Type | Supporting construction | Classification report | Classification (BS EN 13501-3) |
|---|---|---|---|---|
| 100mm up to 315mm diameter | FSD-C* | Drywall Partition | 287721A/3 & 18/18382-2111-1 | E 120 (ve I ↔ o) S |
| 100mm up to 315mm diameter | FSD-C* | Masonry Wall | 287721A/3 & 18/18382-2111-1 | E 120 (ve I ↔ o) S |
| 100mm up to 315mm diameter | FSD-C | Concrete Floor | 287721B/3 | E 90 (ho I → o) S |

* vertical installation - classification report 18/18382-2111-1 permits both blade pivot axes installation (vertical pivot as well and horizontal pivot)

| | |
|---|---|
| **Nominal activation conditions/sensitivity according to ISO 10294-4**: | |
| - sensing element load bearing capacity | **Pass** |
| - sensing element response time | **Pass** |
| **Response delay (response time) according to EN 1366-2**: | |
| - closure time | **50 Cycles Pass** |
| **Operational reliability according to EN 1366-2**: | |
| - cycling | **Pass** |
| **Durability of response delay according to EN 1366-2**: | |
| - sensing element response temperature and load bearing capacity | **Pass** |
| **Durability of operational reliability according to EN 15650**: | |
| - open and closing cycle | **10,000 cycles Pass** |

Signed for and on behalf of the manufacturer by:

Date: 21st April 2020

Mike Backham
Technical Director
BSB Engineering Services Ltd

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