

# EC Declaration of Performance for FD-R (Fire Damper)



sDoP CERTIFICATE NUMBER INC. REVISION NO	CE DoP-FD-R-02
MANUFACTURER	BSB Engineering Services Ltd, Unit 7, Upper Mills Road, Quarry Wood Industrial Estate, Mills Road, Aylesford. ME20 7NA.
INTENDED USE	For use in conjunction with fire protection elements to maintain fire compartmentation.
HARMONISED STANDARD	EN 15650:2010 (Ventilation for Buildings - Fire Dampers).
SYSTEM OF ASSESSMENT & VERIFICATION OF CONSTANCY OF PERFORMANCE	System 1
CERTIFICATE OF CONSTANCY OF PERFORMANCE	Applus: 0370-CPR-7184
NOTIFIED BODY & CERTIFICATE	Applus+   0370 Who have performed the determination of the product type on the basis of type testing and initial inspection of the manufacturing plant and of factory production control including continuous surveillance, under system 1.
CONSTRUCTION PRODUCTS REGULATION (CPR) THAT APPLIES	Regulation (EU): no. 305/2011.
MATERIALS: CASE & BLADES	Case: galvanised steel. Blades: galvanised steel.
DECLARED PERFORMANCE	
NOMINAL ACTIVATION CONDITIONS/SENSITIVITY: 4.2.1.2 - SENSING ELEMENT LOAD BEARING CAPACITY 4.2.1.2.2 - SENSING ELEMENT RESPONSE TEMPERATURE 4.2.1.2.3	Pass
RESPONSE DELAY (RESPONSE TIME): CLOSURE TIME 4.2.2.2	Pass
OPERATIONAL RELIABILITY: CYCLING 4.3.1, a)	50 Cycles
INTEGRITY (E) 4.1.1, a)	See page 2 - Levels and/or Classes
INSULATION (I) 4.1.1, b)	NPD*
LEAKAGE (S) 4.1.1, c)	See page 2 - Levels and/or Classes
MECHANICAL STABILITY (under E) 4.1.1, a)	See page 2 - Levels and/or Classes
MAINTENANCE OF THE CROSS SECTION (under E) 4.1.1, a)	See page 2 - Levels and/or Classes
DURABILITY OF RESPONSE DELAY: 4.2.1.2.2 & 4.2.1.2.3 -SENSING ELEMENT RESPONSE TO TEMPERATURE AND LOAD BEARING CAPACITY	Pass
DURABILITY OF OPERATIONAL RELIABILITY: -OPEN AND CLOSING CYCLE TESTS 4.3.3.2	50 Cycles

\* NPD = No Performance Determined.

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Fire resistance according to EN 1366-2:2015. Classifications according to EN 13501-3:2005+A1:2009.  
Classification Reports 23-32304438-1, 23-32308269-1 & 24-32300830-1.

TYPE	INSTALLATION DRAWING	SUPPORTING CONSTRUCTION	MINIMUM CONSTRUCTION	MIN/MAX SIZE (MM)	MAXIMUM LEVEL AND/OR CLASSES
FD-R	FD-R M9	Drywall Partition	Group A 50mm Steel Stud 2 Layers of 12.5mm Type F Board Each Side (EI 90 Fire Resistance)	100 x 100 300 x 300	E 60 (ve i↔o) S E 120 (ve i↔o) *E 120 (ve i→o) S
FD-R	FD-R M10	Masonry Wall	100mm Thick Concrete Density 600kg/m³	100 x 100 300 x 300	E 60 (ve i↔o) S E 120 (ve i↔o) *E 120 (ve i→o) S
FD-R	FD-R M11	Masonry Floor	150mm Thick Concrete Density 600kg/m³	100 x 100 300 x 300	E 120 (ho i↔o) S

\*Damper installed with the blade axle in vertical orientation (Handle on underside).

The damper FD-R is classified to be installed in EI 90 and EI 120 symmetrical drywalls, with and without acoustic insulation.

The supporting construction must be of the same type with a fire resistance equal or greater than that of the supporting construction used in the test (thicker, denser, more layers of board, as appropriate).

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 at the premises of, and on behalf of BSB Engineering Services Ltd.



Mike Backham  
Technical Director  
Date: 13<sup>th</sup> Jan 2025