

# Declaration of Performance



According to Construction Products Regulation EU N° 305/2011

Declaration number:

**005\_14**

1 Unique identification code of the product-type:

**DU 50EN**

2 Intended use:

**Loudspeaker for voice alarm systems for fire detection and fire alarm systems for buildings**

3 Manufacturer:

**RCF S.p.A.  
Via Raffaello Sanzio 13 - 42124 Reggio Emilia - ITALY**

4 Agent:

**NA**

5 System of assessment and verification of constancy of performance:

**SYSTEM 1**

6a Harmonized standards:

**EN 54-24:2008**

Notified bodies:

**1488 - Instytut Techniki Budowlanej**

6b European Assessment Document:

**NA**

7 Declared performance:

Essential characteristics	Harmonized standard EN 54-24: 2008 - Clause	Performance
<b>Performance parameters under fire condition</b>		
Frequency response limit	4.2	<b>Passed</b>
Reproducibility	5.2	<b>Passed</b>
Rated impedance	5.3	<b>Passed</b>
Horizontal and vertical coverage angles	5.4	<b>Passed</b>
Maximum sound pressure level	5.5	<b>Passed</b>
<b>Operational reliability</b>		
Durability	4.3	<b>Passed</b>



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Construction	4.4	Passed
Marking and data	4.5	Passed
Rated noise power (durability)	5.6	Passed
Enclosure protection	5.18	Passed
<b>Durability of operational reliability, temperature resistance</b>		
Dry heat (operational)	5.7	Passed
Dry heat (endurance)	5.8	NA
Cold (operational)	5.9	Passed
<b>Durability of operational reliability, humidity resistance</b>		
Damp heat, cyclic (operational)	5.10	Passed
Damp heat, steady state (endurance)	5.11	Passed
Damp heat, cyclic (endurance)	5.12	NA
<b>Durability of operational reliability, corrosion resistance</b>		
Sulphur dioxide corrosion (endurance)	5.13	Passed
<b>Durability of operational reliability, impact and vibration resistance</b>		
Shock (operational)	5.14	Passed
Impact (operational)	5.15	Passed
Vibration, sinusoidal (operational)	5.16	Passed
Vibration, sinusoidal (endurance)	5.17	Passed

8 Appropriate technical documentation and/or specific technical documentation:

NA

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

Reggio Emilia, 11/09/2024

**RCF S.P.A.**

Dr. Remo Morlini, Managing Director

