Declaration of Performance

CE

According to Construction Products Regulation EU N° 305/2011

Declaration number:

009_17

1 Unique product-type identification name:

PLASTIC HORN LOUDSPEAKER HD 21EN

2 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11, paragraph 4:

HD 21EN

3 Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

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

4 Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11, paragraph 5:

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

5 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article, paragraph 2:

NOT APPLICABLE

6 System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

SYSTEM 1

7 In case of the Declaration of performance concerning a construction product covered by a harmonised standard:

Notified Body n.1488
Building Research Institute
Ul. FILTROWA 1, 00-611 WARZAWA

Performed 1) initial type testing of the product, 2) initial inspection of the factory and 3) factory production control, continuous surveillance, assessment and approval of the factory production control under system 1, and issued Certificate of Conformity No. 1488-CPR-0652/W dated 22/12/2017.

8 In case of the Declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

NOT APPLICABLE

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9 Declared performance:

All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated in point 3 above have been determined as described in the Harmonized European Standards mentioned in the table below:

Essential characteristics	Harmonized standard EN 54-24: 2008 - Clause	Performance
Performance parameters under fire condition		
Frequency response limit	4.2	**Passed**
Reproducibility	5.2	**Passed**
Rated impedance	5.3	**Passed**
Horizontal and vertical coverage angles	5.4	**Passed**
Maximum sound pressure level	5.5	**Passed**
Operational reliability		
Durability	4.3	**Passed**
Construction	4.4	**Passed**
Marking and data	4.5	**Passed**
Rated noise power (durability)	5.6	**Passed**
Enclosure protection	5.18	**Passed**
Durability of operational reliability, temperature resistance		
Dry heat (operational)	5.7	**Passed**
Dry heat (endurance)	5.8	**Passed**
Cold (operational)	5.9	**Passed**
Durability of operational reliability, humidity resistance		
Damp heat, cyclic (operational)	5.10	**Passed**
Damp heat, steady state (endurance)	5.11	**Passed**
Damp heat, cyclic (fatigue test)	5.12	**Passed**
Durability of operational reliability ,corrosion resistance		
Sulphur dioxide corrosion (endurance)	5.13	**Passed**
Durability of operational reliability, impact and vibration resistance		
Shock (operational)	5.14	**Passed**
Impact (operational)	5.15	**Passed**
Vibration, sinusoidal (operational)	5.16	**Passed**
Vibration, sinusoidal (endurance)	5.17	**Passed**

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10 Declaration:

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 4.

Reggio Emilia 06/03/2018

Dr. Remo Morlini, Manager Director