

Declaration of Performance

According to the Construction Products Regulation EU no. 305/2011

DoP document no. **15-002**

1. *Unique Product identification code:*

CS-660BS-EB

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

CS-660BS-EB

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

**Fire detection and fire alarm systems - Part 24:
Components of voice alarm systems – Loudspeakers**

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

**TOA Electronics Europe GmbH
Süderstraße 282, 20537 Hamburg, Germany**

Trademarks:



5. *Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):*

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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. *The construction product is covered by a harmonized standard:*

ITB, notified body number 1488

performed type testing and the initial inspection of the manufacturing plant and of the factory production control with continuous surveillance assessment and approval of the factory production control under system 1 and issued the EC certificates of conformity:

1488-CPD-0315/W

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

Not applicable, see item 7

9. Declared Performance

Essential characteristics	Performance	Harmonised technical specification
Performance under fire condition	4.2: passed 5.2: passed 5.3: passed 5.4: passed 5.5: passed	EN 54-24: 2008 Articles 4.2, 5.2, 5.3, 5.4, 5.5
Operational reliability	4.3: passed 4.4: passed 4.5: passed 5.6: passed 5.18: passed	EN 54-24: 2008 Articles 4.3, 4.4, 4.5, 5.6, 5.18
Durability of operational reliability: Temperature resistance	5.7: passed 5.8: passed 5.9: passed	EN 54-24: 2008 Articles 5.7, 5.8, 5.9
Durability of operational reliability: humidity resistance	5.10: passed 5.11: passed 5.12: passed	EN 54-24: 2008 Articles 5.10, 5.11, 5.12
Durability of operational reliability: corrosion resistance	5.13: passed	EN 54-24: 2008 Articles 5.13
Durability of operational reliability: impact and vibration resistance	5.14: passed 5.15: passed 5.16: passed 5.17: passed	EN 54-24: 2008 Articles 5.14, 5.15, 5.16, 5.17

n.a.: not applicable

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

Signed for and on behalf of the representative by: Toshio Sakata (managing director)

Hamburg, 03. June 2015

