

# Declaration of Performance

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

DoP document no. **1438/CPD/0178**

1. Unique Product identification code:

**BS-680FC**

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

**BS-680FC**

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 Corporation  
7-2-1 Minatojima-Nakamachi, Chuo-ku, Kobe 650-0046, Japan**

Trademarks:



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

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

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:

**CNBOP, notified body number 1438**

*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:*

**1438/CPD/0178**

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: n.a. 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: n.a.	EN 54-24: 2008 Articles 5.10, 5.11, 5.12
Durability of operational reliability: corrosion resistance	5.13: passed	EN 54-24: 2008 Article 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, 28. June 2013



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