



 DECLARATION OF PERFORMANCE <i>In accordance with Construction Product Reg. EU N° 305/2011</i> N. 0051-CPR-3902/2020																																																																																									
1.	Unique product identification code:	AP52T (White finish) – AP52TB (Black finish)																																																																																							
2.	Intended use:	EN54-24 Fire detection and fire alarm system – part 24: Component of voice alarm system: Loudspeaker BIDIRECTIONAL SOUND PROJECTOR (Environmental type B)																																																																																							
3.	Manufacturer:	KREA S.r.l. Via Abbiategrasso, 21 – 20046 Cisliano (MI) - Italy																																																																																							
4.	Representative:	Not Applicable																																																																																							
5.	VVCP system:	1																																																																																							
6a.	Harmonized standard:	EN54-24:2008																																																																																							
	Notified body:	N. 0051 IMQ S.p.A.																																																																																							
6b.	European Technical Assessment:	Not Applicable																																																																																							
7.	Declared performance: EN54-24:2008 Harmonised technical specification <table border="1"> <thead> <tr> <th>Essential Characteristics</th> <th>Performance</th> <th>Clause</th> </tr> </thead> <tbody> <tr> <td colspan="3">Performance parameters under fire conditions</td> </tr> <tr> <td>Frequency response limits</td> <td>pass</td> <td>4.2</td> </tr> <tr> <td>Reproducibility</td> <td>pass</td> <td>5.2</td> </tr> <tr> <td>Rated impedance</td> <td>pass</td> <td>5.3</td> </tr> <tr> <td>Horizontal and vertical coverage angles</td> <td>pass</td> <td>5.4</td> </tr> <tr> <td>Maximum sound pressure level</td> <td>pass</td> <td>5.5</td> </tr> <tr> <td colspan="3">Operational reliability</td> </tr> <tr> <td>Durability</td> <td>pass</td> <td>4.3</td> </tr> <tr> <td>Construction</td> <td>pass</td> <td>4.4</td> </tr> <tr> <td>Marking and data</td> <td>pass</td> <td>4.5</td> </tr> <tr> <td>Rated noise power (durability)</td> <td>pass</td> <td>5.6</td> </tr> <tr> <td>Enclosure of the loudspeaker</td> <td>pass</td> <td>5.18</td> </tr> <tr> <td colspan="3">Durability of operational reliability, temperature resistance</td> </tr> <tr> <td>Dry heat (operational)</td> <td>pass</td> <td>5.7</td> </tr> <tr> <td>Dry heat (endurance)*</td> <td>pass</td> <td>5.8</td> </tr> <tr> <td>Cold (operational)</td> <td>pass</td> <td>5.9</td> </tr> <tr> <td colspan="3">Durability of operational reliability, humidity resistance</td> </tr> <tr> <td>Damp heat, cyclic (operational)</td> <td>pass</td> <td>5.10</td> </tr> <tr> <td>Damp heat, steady state (endurance)</td> <td>pass</td> <td>5.11</td> </tr> <tr> <td>Damp heat, cyclic (endurance)*</td> <td>pass</td> <td>5.12</td> </tr> <tr> <td colspan="3">Durability of operational reliability, corrosion resistance</td> </tr> <tr> <td>Sulphur dioxide (SO₂) corrosion (endurance)</td> <td>pass</td> <td>5.13</td> </tr> <tr> <td colspan="3">Durability of operational reliability, impact and vibration resistance</td> </tr> <tr> <td>Shock (operational)</td> <td>pass</td> <td>5.14</td> </tr> <tr> <td>Impact (operational)</td> <td>pass</td> <td>5.15</td> </tr> <tr> <td>Vibration, sinusoidal (operational)</td> <td>pass</td> <td>5.16</td> </tr> <tr> <td>Vibration, sinusoidal (endurance)</td> <td>pass</td> <td>5.17</td> </tr> <tr> <td colspan="3">* Not applicable for components declared as Type A</td> </tr> </tbody> </table>		Essential Characteristics	Performance	Clause	Performance parameters under fire conditions			Frequency response limits	pass	4.2	Reproducibility	pass	5.2	Rated impedance	pass	5.3	Horizontal and vertical coverage angles	pass	5.4	Maximum sound pressure level	pass	5.5	Operational reliability			Durability	pass	4.3	Construction	pass	4.4	Marking and data	pass	4.5	Rated noise power (durability)	pass	5.6	Enclosure of the loudspeaker	pass	5.18	Durability of operational reliability, temperature resistance			Dry heat (operational)	pass	5.7	Dry heat (endurance)*	pass	5.8	Cold (operational)	pass	5.9	Durability of operational reliability, humidity resistance			Damp heat, cyclic (operational)	pass	5.10	Damp heat, steady state (endurance)	pass	5.11	Damp heat, cyclic (endurance)*	pass	5.12	Durability of operational reliability, corrosion resistance			Sulphur dioxide (SO ₂) corrosion (endurance)	pass	5.13	Durability of operational reliability, impact and vibration resistance			Shock (operational)	pass	5.14	Impact (operational)	pass	5.15	Vibration, sinusoidal (operational)	pass	5.16	Vibration, sinusoidal (endurance)	pass	5.17	* Not applicable for components declared as Type A		
Essential Characteristics	Performance	Clause																																																																																							
Performance parameters under fire conditions																																																																																									
Frequency response limits	pass	4.2																																																																																							
Reproducibility	pass	5.2																																																																																							
Rated impedance	pass	5.3																																																																																							
Horizontal and vertical coverage angles	pass	5.4																																																																																							
Maximum sound pressure level	pass	5.5																																																																																							
Operational reliability																																																																																									
Durability	pass	4.3																																																																																							
Construction	pass	4.4																																																																																							
Marking and data	pass	4.5																																																																																							
Rated noise power (durability)	pass	5.6																																																																																							
Enclosure of the loudspeaker	pass	5.18																																																																																							
Durability of operational reliability, temperature resistance																																																																																									
Dry heat (operational)	pass	5.7																																																																																							
Dry heat (endurance)*	pass	5.8																																																																																							
Cold (operational)	pass	5.9																																																																																							
Durability of operational reliability, humidity resistance																																																																																									
Damp heat, cyclic (operational)	pass	5.10																																																																																							
Damp heat, steady state (endurance)	pass	5.11																																																																																							
Damp heat, cyclic (endurance)*	pass	5.12																																																																																							
Durability of operational reliability, corrosion resistance																																																																																									
Sulphur dioxide (SO ₂) corrosion (endurance)	pass	5.13																																																																																							
Durability of operational reliability, impact and vibration resistance																																																																																									
Shock (operational)	pass	5.14																																																																																							
Impact (operational)	pass	5.15																																																																																							
Vibration, sinusoidal (operational)	pass	5.16																																																																																							
Vibration, sinusoidal (endurance)	pass	5.17																																																																																							
* Not applicable for components declared as Type A																																																																																									
8.	Appropriate technical documentation and/or specific technical documentation:	Not applicable																																																																																							
	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.	Signed for and on behalf of the manufacturer by: Paolo Ferretti Cisliano, 05/04/2026 																																																																																							