



DECLARATION OF PERFORMANCE

In accordance with Construction Product Reg. EU N° 305/2011

N. 0068-CPR-173/2023

1.	Unique product identification code:	WS50EN (EAN code 8032496985648)
2.	Intended use:	EN54-24 Fire detection and fire alarm system – part 24: Component of voice alarm system: Loudspeaker WALL/CEILING SPEAKER (Environmental type A)
3.	Manufacturer:	Proel S.p.A. Via Alla Ruenia, 37/43 – 64027 Sant’Omero (TE) - Italy
4.	Representative:	Not Applicable
5.	VVCP system:	1
6a.	Harmonized standard: Notified body:	EN54-24:2008 N. 0068 MTIC Intercert S.r.l.
6b.	European Technical Assessment:	Not Applicable

7.	Declared performance: EN54-24:2008 Harmonised technical specification		
	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)*	not applicable	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)*	not applicable	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: Fabrizio Sorbi Sant’Omero 10/04/2023