



DECLARATION OF PERFORMANCE

No. 01/2020

1. **Unique identification code of the product – type:** Aluminum acoustic panel, one-sided absorbing GDG 1 SP
2. **Intended use:** Acoustic panels intended for the assembly of free-standing road and railroad acoustic screens, as a filling between the support pillars of the screen. Panels prevent direct propagation of traffic noise in the air.
3. **Manufacturer:** GDG Acoustic Sp. z o.o. with head office in: 43-220 Bojszowy Nowe, Kowola Str. 11
4. **System for assessment and verification of constancy of performance:** System 3
5. **Harmonised standard:** EN 14388:2005/AC:2008 – Road traffic noise reducing devices – Specifications

Notified body: Technický a zkušební ústav stavební Praha, s.p. nr 1020

6. **Declared performance:**

Characteristics		Właściwości użytkowe		Harmonized technical specification
1.	Airborne sound absorption	DL _a =17 dB		EN 1793-1
2.	Airborne sound insulation	DL _R = 28 dB		EN 1793-2
3.	Max. wind load and static load	2,52 kN/m ² for panel L=4,0 m 2,04 kN/m ² for panel L=5,0 m		EN 1794-1, Appendix A
4.	Dynamical load from passing vehicles	<ul style="list-style-type: none"> - traffic of vehicles in open air at a distance of 1 m from the noise reducing device and at a maximum speed of 100 km/h (q_(v)=650 Pa) - requirements fulfilled - traffic of vehicles in open air at a distance of 1 m from the noise reducing device and maximum speed of 120 km/h (q_(v)=800 Pa) - requirements fulfilled - bi-directional traffic in a tunnel, at a distance of 1,0 m from the noise reducing device and maximum speed of 120 km/h (q_(v)=1500 Pa) - requirements fulfilled 		EN 1794-1, Appendix A
5.	Self weight when dry/reduced wet weight	19,50 kg/m ²	30,88 kg/m ²	EN 1704-1, Appendix B
6.	Maximum vertical load	1,60 kN / m		EN 1704-1, Appendix B
7.	Dynamical load during snow ploughing	10 kN/ (2x2) dla L=5 m (respond to the plow speed of 50 km/h) 15 kN/ (2x2) dla L=4 m (respond to the plow speed of 60 km/h)		EN 1794-1, Appendix E
8.	Stone impact resistance	Requirements fulfilled		EN 1794-1, Appendix C
9.	Resistance to fire of bushes	Class 3		EN 1794-2, Appendix A
10.	Risk with falling parts	NPD		EN 1794-2, Appendix B
11.	Environmental protection	Recycling 100%		EN 1794-2, Appendix C
12.	Escape way	Requirements fulfilled		EN 1794-2, Appendix D
13.	Light reflection	NPD		EN 1794-2, Appendix E
14.	Transparency	NPD		EN 1794-2, Appendix F
15.	Durability of performance	Change in sound absorption index DL _a after 20 years: -5 dB Change in sound insulation index DL _R after 20 years: - 4 dB		pr EN 14389-1
16.	Non acoustic performance durability	No less than 20 years		EN 14389-2:2004



GDG
Acoustic

7. **Appropriate Technical Documentation and/or Specific Technical Documentation:**

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance 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:

Elena Kiełbasińska

Bojszowy Nowe, 21.02.2020

Name:

Place and date of issue

Kierownik Działu Handlowego

Elena Kiełbasińska

Signature