



Notified body nr 1020

TECHNICKÝ ZKUSEBNÍ ÚSTAV STAVEBNÍ PRAHA, sp.

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ALUMINIUM ACOUSTIC PANEL, ABSORBING ON ONE SIDE  
TYP PA1P10PAP2

EN 14388:2015/2005/AC:2008

— Road traffic noise reducing devices — Specifications

Acoustic panels for installation of free-standing noise barriers as a filling between the barrier's supporting columns. The panels prevent direct noise propagation in the air

Essential characteristics	Performance	Harmonized technical specification
1. In situ sound reflection coefficient under direct field conditions.	DLR <sub>i</sub> = 8 dB	EN 1793-5:2017 + EN 1793-3:2001 ( PN-EN 1793-5:2016-05+AC:2018-08 + PN-EN 1793-3:2001 )
	DLR <sub>i</sub> = 7 dB	EN 1793-5:2017 + EN 16272-3-2:2024 (PN-EN 1793-5:2016-05+AC:2018-08 + PN-EN-16272-3-2:2024-03)
2. Airborne sound insulation	DLSI, E = 29 dB	EN 1793-6:2021+A1 + EN 1793-3:2001 (PN-EN 1793-6+A1:2021-09 + PN-EN 1793-3:2001)
	DLSI, E = 32 dB	EN-16272-6_2024 + EN 16272-3-2:2024 (PN-EN-16272-6_2024 + PN-EN 16272-3-2:2024)
3. Maximum wind load and static load	4,77 kN/m <sup>2</sup> dla panelu L=2,0m 3,7 kN/m <sup>2</sup> dla panelu L=3,0m 2,6 kN/m <sup>2</sup> dla panelu L=4,0m 1,7 kN/m <sup>2</sup> dla panelu L=5,0m	EN 1794-1; Dodatek A
4. Deadweight in dry condition	22,40 kg/m <sup>2</sup>	EN 1794-1; Annex B
5. Resistance to stone impact	Requirement fulfilled	EN 1794-1; Annex C
6. Resistance to brush fire	Class 3	PN-EN 1794-3

7. Risk of falling parts	NPD	EN 1794-2; Annex B
8. Environment protection	100% recycling	EN 1794-2; Annex C
9. Escape route	Requirements fulfilled	EN 1794-2; Annex D
10. Transparency	NPD	EN 1794-2; Annex F
11. Change of sound absorption coefficient	DL <sub>a</sub> change after: 5 zm -1dB; 10 zm - 2dB; 15 zm -3dB; 20 zm - 4dB	EN 14389-1
12. Change of sound insulation coefficient	DLR change after: 5 zm -1dB; 10 zm - 2dB; 15 zm -3dB; 20 zm - 4dB	EN 14389-1
13. Stability of non-acoustic performance	Not less than 30 years	PN-EN ISO 9223:2012 PN-EN ISO 9227:2023-02

Date:

Signature:

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