

SOUND ABSORPTION COEFFICIENT α_w

LABORATOIRES DE TRAPPES
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This document is established on the basis of the LNE report : P210662 – DMSI/17

Destina LAUESCHER

taire : ZI de
Pommenauque
50500 CARENTAN

LAUESCHER absorbent panels,

Linea 9.2.6 ceiling range

Description of the product :

- Composition : Wood and rock wool
- Openwork panel in solid wood with addition of surface rock wool slab of a 20 mm veil at 2.4 kg/m²

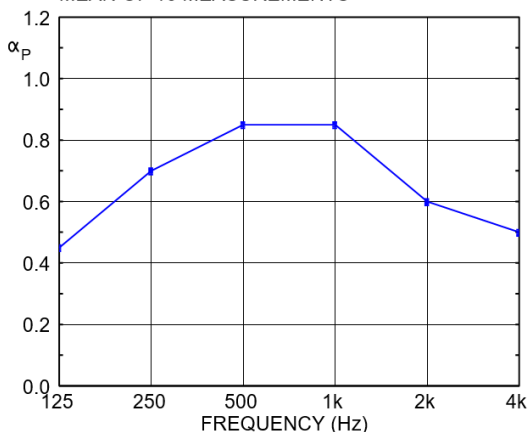
Test conditions :

- Date of the measurement **7 April 2021**
- Size of the sample **10 panels 1880 x 600 mm (11.28 m²)**
- Other test conditions **Plenum of 314 mm (E-314), air gap of 250 mm**

The measurements are performed according to NF EN ISO 354 :2004 standard.

Results :

Linea 9.2.6
SOUND ABSORPTION COEFFICIENT
MEAN OF 16 MEASUREMENTS



| F(Hz) | α_p |
|-------|------------|
| 125 | 0.45 |
| 250 | 0.70 |
| 500 | 0.85 |
| 1000 | 0.85 |
| 2000 | 0.60 |
| 4000 | 0.50 |

$\alpha_w = 0.65(L)$

NF EN ISO 11654 :

**Weighted sound
absorption coefficient :**

$\alpha_w = 0.65(L)$

Absorption class :

Classe C

Trappes, 28 April 2021

**Head Deputy for Force and
associated quantities Department**



Dominique RODRIGUES



Test Officers :

**Dominique RODRIGUES
Carole TREFFOT**

Technical Officer :

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