

# SOUND ABSORPTION COEFFICIENT $\alpha_w$

LABORATOIRES DE TRAPPES  
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**Destina** LAUDESCHER  
**taire :** ZI de  
Pommenauque  
50500 CARENTAN

**LAUDESCHER absorbent panels,**  
**Linea 2.4.3 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/m<sup>2</sup>

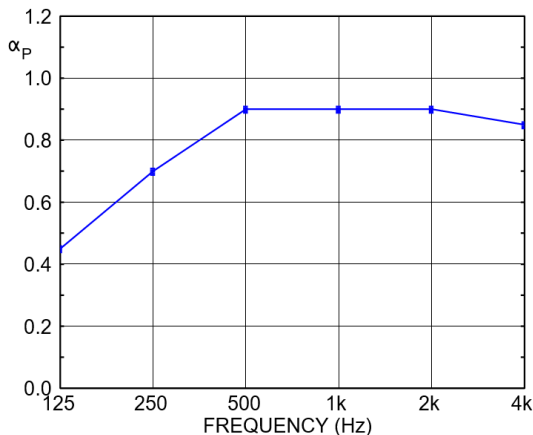
### Test conditions :

- Date of the measurement ..... **9 April 2021**
- Size of the sample ..... **10 panels 1880 x 600 mm (11.28 m<sup>2</sup>)**
- Other test conditions ..... **Plenum of 328 mm (E-328), air gap of 250 mm**

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

### Results :

Linea 2.4.3  
SOUND ABSORPTION COEFFICIENT  
MEAN OF 16 MEASUREMENTS



F(Hz)	$\alpha_p$
125	0.45
250	0.70
500	0.90
1000	0.90
2000	0.90
4000	0.85

$$\alpha_w = 0.90$$

**NF EN ISO 11654 :**

**Weighted sound  
absorption coefficient :**

$$\alpha_w = 0.90$$

**Absorption class :**

**Classe A**

**Trappes, 28 April 2021**

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



**Dominique RODRIGUES**



**Test Officers :**

**Dominique RODRIGUES  
Carole TREFFOT**

**Technical Officer :**

**Dominique RODRIGUES**