

## Ready-to-install products Sound-absorbing curtain



### Key advantages

Lantal ready-made acoustic curtains provide sound-absorption and sound insulation and have the following compelling advantages:

- **An extra opaque inlayer in the curtain prevents galley noise and light from passing into the cabin**
- **Both sides are covered with high absorbing textiles that help reduce noise at the source or in the source room**
- **The curtain is heat-set pleated to retain its initial appearance throughout its service life**
- **Easy to install, delivered ready-to-hang**
- **Compliance with all airworthiness requirements available with an EASA Form 1 if so required**
- **Single-source convenience – from the curtain fabric to assembly – you save time and money**

### Options

Lantal provides two different acoustic curtains:

- **Light: 800-1000 g/m<sup>2</sup> version**
- **Extra: 1300-1400 g/m<sup>2</sup> version**

Each version provides high sound-absorption properties on both sides of the curtain. This leads to lower noise levels in galley and/or passenger cabin. Depending on the inlay used, the noise absorption, the noise transmission and weight of the curtain varies:

#### ▪ Sound-absorbing curtain light

Total weight: approx. 800-1000 g/m<sup>2</sup>

Inlayer weight: 200 g/m<sup>2</sup>

Recommended application: Due to the lower area weight of this curtain it is recommended as room divider between Galley and Economy Class sections.

#### ▪ Sound-absorbing curtain extra

Total weight: approx. 1300-1400 g/m<sup>2</sup>

Inlayer weight: 680 g/m<sup>2</sup>

Recommended application: This curtain is particularly effective as regards sound absorption.

A certain part of customizing is required for sound-absorbing curtains. Therefore the specific weight of the customized curtain will be defined with the project.

### Features

- Lantal sound-absorbing curtains provide excellent absorption properties helping to further reduce noise in galley and passenger cabin areas.
- The sound-absorbing curtain consists of an impermeable inlay which reduces light and noise penetrating from galley to passenger cabin areas.
- Lantal sound-absorbing curtains are heat-set pleated, so pleats will retain their original shape throughout the service life. The fabric consists of 100% polyester.
- In addition to their functionality, pleated curtains are also attractive components that accent the overall appearance of the cabin.

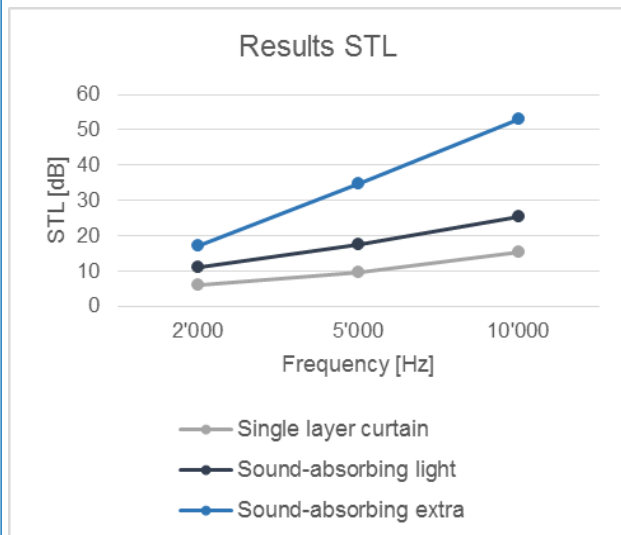
- Total opacity cannot be guaranteed in every case because generally, curtains do not fully extend from ceiling to floor.
- For manufacturing send approved data or dimensions and drawings of each curtain location or a sample of a current item and we will supply a professionally crafted sound-absorbing curtain ready for installation.

### Sound Transmission Loss (STL)

Lantal's acoustic curtains were tested under field incidence to compare the Sound Transmission Loss (STL) of each curtain. The following curtains were tested:

- Single layer curtain (polyester)
- Sound-absorbing curtain light
- Sound-absorbing curtain extra

The tests have been made according to SAE J 1400 standard.



The results show the better performance of sound-absorbing curtains due to the higher area weight and higher airflow resistivity compared to the single layer curtains.

To better reduce galley noise intrusion into the passenger cabin Lantal recommends sound-absorbing curtains.

### Specifications

#### Flammability, smoke/toxicity

Lantal's sound-absorbing curtains are permanently flame-resistant pursuant to FAR/CS 25.853, 12 sec. vertical, and meet Airbus and Boeing specifications for smoke and toxicity even after having been cleaned a several times according to Lantal cleaning recommendations.

#### Production Organization Approval (POA)

Lantal is certified as Production Organization (EASA Part 21 G). Thanks to this approval Lantal is authorized to provide parts, manufactured in accordance with approved design data, with an EASA Form 1.

#### Design Organization Approval (DOA)

The status as Design Organization (EASA Part 21 J) allows Lantal's subsidiaries ASI and ACC to develop, test, and certify modifications to aircraft soft interior parts. The scope of the approval as stipulated by EASA encompasses all soft interior parts, such as:

- Seat covers
- Seat accessories made of soft materials
- Curtains
- Carpets
- Soft decor material parts

### Cleaning

Lantal flame-resistant curtains can be washed or dry cleaned. The curtain has to be folded in its pleats and placed into a net bag for cleaning. Please ask for the pleated curtain manual for more information on maintenance and installation.