

Semi-rigid duct

11091940

ALGAINE aluminium duct soundproofed M0-M1 D450 - 10 M

ALGAINE Alu Sound-proofed can be used to make an acoustically-insulated connection between a branch duct and a terminal on all commercial systems.



PRODUCT BENEFITS

- flexible duct with built-in soundproofing,
- compacted duct for transport and storage,
- M0 fire certification for inner layer.

Product description

ALGAINE Alu Sound-proofed is a flexible, semi-rigid duct comprising two layers of aluminium foil enclosing 25 mm of glass wool insulation. ALGAINE Alu Sound-proofed can be used to make an acoustically-insulated connection between a branch duct and a terminal on all commercial systems.

Fields of application

Multi-occupancy residential housing, New, Refurbishment, Non-residential buildings

Installation

- simply slots onto the branch duct or plenum ring,
- push back the glass wool between the layers a few cm and stick the ends of the layers together with RAA aluminium tape. As the inner layer is perforated, the airtight seal will be made on the outer layer. Pay special attention therefore to joining the two layers of the duct together at the end,
- fit the two joined layers of the duct over the connector and attach using a multi-purpose clamp or CSF wire collar on the Aluminium tape,
- two lengths are connected together using an RM male connector,
- in all cases, to prevent pressure losses and sound propagations, limit the use of bends to a minimum.

Reference arguments

Application:

- Soundproofed connection from ducting to terminal for all non-residential building systems
- Temperature range: -30°C to +250°C

Description:

- Algaïne aluminium slotted internal duct; 25 mm glass fibre acoustic insulation; 450 mm reinforced aluminium casing on the outside
- Packaging: 10 m compacted to 1.2 m
- Bend radius: 0.6 D + 25 mm
- Internal duct with A1 fire rating as per order of 21/11/2002

Main characteristics

- material:
 - inner: ALGAINE Alu perforated,
 - outer: reinforced aluminium foil,
 - soundproofing: 25 mm glass wool,
- packaging: 10 m compacted into 1.25 m,
- bend radius: 0.6 D + 25 mm,
- temperature range: - 30°C to +250°C,
- M0 fire certification for inner layer.

Accessories

Description	Variants
Pack of 25 multi-purpose collars Ø 60-540 mm	11090026
Perforated tape 17 mm, roll of 25 m	11090049
RAP tape roll of 33 m	11091009
RAA tape width 50 mm, roll of 50 m	11091013

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General data

Variants	Free air passage section (m ²)	Maximum use temperature (°C)
11091940	0.64	250

Dimensional data

Variants	L (mm)	Ø (mm)	Bend radius	Weight (kg)
11091940	10000	450	0,6 D	12,74