

## Semi-rigid duct

11091922

## ALGAINE aluminium duct insulated M0-M1 D315 - 10 M

ALGAINE Alu Insulated can be used to make a thermally-insulated connection between a branch duct and a terminal on all commercial systems.



## PRODUCT BENEFITS

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

## Product description

ALGAINE Alu Insulated is a flexible, semi-rigid duct comprising two layers of aluminium foil enclosing 25 mm of glass wool insulation. It provides a thermally insulated connection from the branch to the terminal (for heat recovery, air conditioning, forced air heating, etc.) on all commercial systems.

## Fields of application

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

## Installation

- the duct simply slots onto the branch connector or the plenum ring,
- push the glass wool between the inner and outer layers back in a few cm and stick the two layers together using RAA Alu tape,
- then fit the two joined layers of the duct over the connector and attach using a multi-purpose clamp or CSF wire collar on the Alu 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:

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

Description:

- Algaïne aluminium internal duct; 25 mm glass fibre thermal insulation; reinforced aluminium casing on the outside 315 mm
- Packaging: 10 m compacted to 1.2 m
- Bend radius:  $0.6 D + 25$  mm
- Class A1 as per decision of 21/11/2002

## Main characteristics

- material:
  - inner: ALGAINE Alu,
  - outer: reinforced aluminium foil,
  - thermal insulation: 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 <sup>2</sup> )	Maximum use temperature (°C)
11091922	0.31	250

## Dimensional data

Variants	L (mm)	Ø (mm)	Bend radius	Weight (kg)
11091922	10000	315	0,6 D + 25 mm	13,4