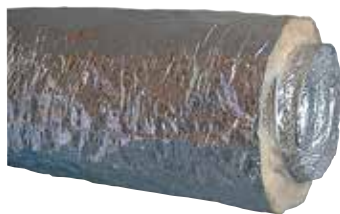


11091916

**ALGAINE aluminium duct insulated M0-M1 D100 - 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.



Thermally-insulated aluminium Algaïne

**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 100 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**

| Désignations                                 | References |
|--|------------|
| Pack of 25 multi-purpose collars Ø 60-215 mm | 11090024   |
| 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

| References | Free air passage section (m <sup>2</sup> ) | Maximum use temperature (°C) |
|------------|--|------------------------------|
| 11091916   | 0.03                                       | 250                          |

### Dimensional data

| References | L (mm) | Ø (mm) | Weight (kg) | Bend radius   |
|------------|--------|--------|-------------|---------------|
| 11091916   | 10000  | 100    | 4,16        | 0,6 D + 25 mm |