

## Rigid plastic duct

# 11091822

## 3M ALFLEX ALU COMPACT D100

Compacted aluminium ALFLEX is flexible and light to connect a branch and a terminal in full simplicity.



### PRODUCT BENEFITS

- duct compacted for transport and storage,
- flexible and light duct,
- M0 fire certification.

### Product description

Compacted aluminium ALFLEX is used as the final sleeve connection of the branch to the terminal for commercial buildings and multi-occupancy housing. It is very light and flexible, simple to install and to handle.

### Fields of application

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

### Installation

- fit female duct to male accessory,
- use sealant or RAF vulcanisable tape to ensure an airtight seal,
- fit a steel sleeve (type 12220 or 12252) on the terminal side.

### Reference arguments

Application:

- Final connection from ducting to terminal. Requires use of a sleeve
- Very flexible and light, very simple to handle and set up
- Prohibited for gas CMEV system, insufficient thickness
- Maximum temperature: - continuous: 250°C - occasional: 300°C

Description:

- Aluminium A410 sheet stapled in spiral pattern, diameter 100 mm
- Thickness: 10/100 mm
- Packaging: 3 m compacted to 0.60 m
- Bend radius: 0.6 D

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### Main characteristics

- A410 aluminium sheet with spiral stapling,
- Thickness:
  - 10/10 mm for diameters 80, 100 and 160 to 250 mm,
  - 8/100 mm for diameters 125 and 150 mm,
  - 12/100 mm for diameters 315 to 500 mm.
- packaging:
  - Ø 80 to 250: 3 m compacted into 0.60 m,
  - Ø 315 to 400: 5 m compacted into 1 m,
  - Ø 450 and 500: straight length 3 m.
- bend radius:
  - Ø 80 to 250 = 0.6 D,
  - Ø 315 to Ø 500 = 2 D.
- maximum operating temperature:
  - continuous: 200°C,
  - peak: 250°C.
- M0 fire certification (A1),
- prohibited for use on gas CMEV (too thin).

### Accessories

| Description                                  | Variants |
|--|----------|
| Pack of 25 multi-purpose collars Ø 60-145 mm | 11090023 |
| Pack of 25 multi-purpose collars Ø 60-215 mm | 11090024 |
| Pack of 25 multi-purpose collars Ø 60-370 mm | 11090025 |
| Pack of 25 multi-purpose collars Ø 60-540 mm | 11090026 |
| Pack of 50 clamp collars                     | 11090031 |
| CSF Ø 100 mm (pack of 10)                    | 11094652 |

### General data

| Variants | Free air passage section (m <sup>2</sup> ) | Maximum use temperature (°C) |
|----------|--|------------------------------|
| 11091822 | 0,03                                       | 300                          |

### Dimensional data

| Variants | L (mm) | Ø (mm) | Bend radius |
|----------|--------|--------|-------------|
| 11091822 | 3000   | 100    | 0,6 D       |