



# FLEX DUCT

SPECIALISTS IN FLEXIBLE DUCTING

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Management System  
ISO 9001:2015



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ID 900004264

## Semi flexible Ducting: **Aluminium**

A semi rigid and lightweight flexible duct is manufactured from corrosive resistant aluminium which provides excellent strength and flexibility, adaptable to any low to high pressure heating, ventilation and air conditioning system.

### INSULATION

We can insulate the semi flexible ducting as per client's requirements.

### APPLICATION

The aluminium flexible ducts are adaptable to any low to high pressure **heating, ventilation and air conditioning** system. Typical applications include gas water heater exhaust, HVAC and lost formwork.

### TECHNICAL DETAILS

- **Temperature range:** Up to 240° C
- **Air velocity:** Up to 30m/s  
*Note: At these velocities sound through the flex will be generated. Recommended velocities will be 4m/s*
- **Operating Pressure:** Up to 38kPa
- **Pressure range:** Single ply up to 30kPa; doubly ply up to 38kPa
- **Thickness:** Single ply 0.07mm to 0.12mm; double ply: 0.14mm to 0.24mm
- **Bend radius:** 2D (2 times the diameter)
- **Diameter range:** 48mm to 504mm
- **Material:** Medium hard aluminium ducting
- **Fire safety:** 100% aluminium
- **Lengths:** Custom made, up to 30 meters
- **Normal thickness of inner duct:** 70-140 micron Inner duct construction: 1 or 2 layer aluminium  
Colour: Natural aluminium/white
- **Packaging:** Bubble wrapped.



# Air flow characteristics

