



# FLEX DUCT

SPECIALISTS IN FLEXIBLE DUCTING

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## Flexible Ducting: **Polyflex**

*The Polyflex core is a fully flexible metalized polyester duct consisting of 3 layers of 12 micron metalized polyester giving it a total thickness of 39 micron. A high carbon spring steel wire is encapsulated in these layers to give the flexible its body. It is a cheaper option to Aluflex ducts.*

### INSULATION

The Polyflex core is wrapped in **200 gram/m<sup>2</sup> polyester fiber insulation** which is held in place with a **metalized polyester jacket**. The metalized jacket also gives it an **extra vapour barrier**.

### JACKET

The **metalized polyester jacket** is constructed with **2 layers** metalized polyester.

### APPLICATION

The aluflex flexible ducts are used in **ventilation, air conditioning, and air handling** systems where high mechanical strength, temperature and fire resistance is required.

### TECHNICAL DETAILS

- **Temperature range:** -30° C to +100° C
- **Air velocity:** Up to 30m/s  
*Up to 30m/s Note: At these velocities sound through the flex could be generated. Recommended velocity is 4m/s.*
- **Operating Pressure:** Max 2000Pa
- **Bend radius:** 1.5D (1.5 times the diameter)
- **Diameter range:** 102mm to 559mm
- **Fire safety:** Metalized polyester ducts has not been fire rated.
- **Lengths:** Standard lengths are 10 meters, other lengths are available on request.
- **Packaging:** The Polyflex plain is shrunk down from 10m to 30cm and the Polyflex insulated is shrunk down to 100cm and then placed in a colour coded plastic bag.
- **Pressure drop:** See pressure drop curve on flip side.



# Polyflex

## TECHNICAL DETAILS

