Ducting Accessories
Insulated Flexible Hose

Flexible Ducting



INSDUCT102 — ID: 102mm — L: 10m
INSDUCT127 — ID: 127mm — L: 10m
INSDUCT152 — ID: 152mm — L: 10m

Key Features

The Insulated Aluminium Round Hose is suitable for preventing condensation and minimising heat loss and loss of cold.

The 'INSDUCT' consists of an aluminium laminate inner duct, Thermally insulated with a glass wool layer and provided with a glass fibre strengthened outer jacket.

The 'INSDUCT' fulfils all the requirements and are classified as specified within: EN 13180: Ventilation for building — Ductwork — Dimensions and mechanical requirements for flexible ducts. The Sound Duct is not suitable for transporting air with a high concentration of acid and base. Neither are they suitable for discharging combustion gases.

Technical Data

Mechanical Properties		
Temperature Range (°C)	Inner Duct	-30 — +140
	Outer Duct	-30 — +140
Maximum Operating Pressure (Pa)		+2500
Maximum Air Velocity (m/s)		25
Diameter Range (mm)		102-152
Fire Classes according to:		
Europe (EN 13502-1)		B-s1, d0
The Netherlands (NEN 6065/6066)		1
Germany (DIN 4102)		B2
France (CSTB)		M1
Switzerland (BKZ)		x
United Kingdom (BS 476)		6,7 and 20
Austria (B3800)		B1
Italy (CSI)		1-0
Technical Data		
Article Code		DI{Ø}
Inner Duct Wire Spacing (mm)	Up to ø102	25
	ø102 and larger	36
Minimal Bending Radius		0.54 x ø + ↕
Standard Length (meters)		10
Standard Colour		Aluminium

According to NEN 3883 tested by TNO:

- Flame spread: Class 1
- Flame Transfer: Class 1
- Smoke figure: 2

Range of application in practice:

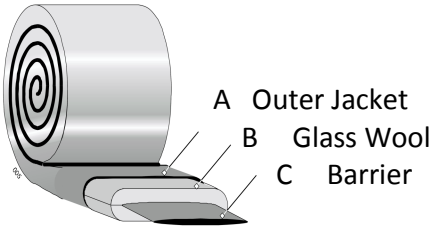
- Insulation in ventilation and air supply Systems.
- Air conditioning systems.
- Thermic insulation in order to prevent heat loss or loss of cold temperatures.

Material Structure

Perforated Aluminium/Glass Wool/ Aluminium Laminate.

Construction

Inner Duct: Aluminium, Polyester Laminate.
Barrier: Closed Polyester Film.
Glass Wool Blanket: 25 (or 50) mm, kg/m^3.
Outer Jacket: Aluminium, Polyester Laminate
R-Value Glass Wool: 0.69 m^2K/W (ASTM C177-76)
Material Thickness: 25mm



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