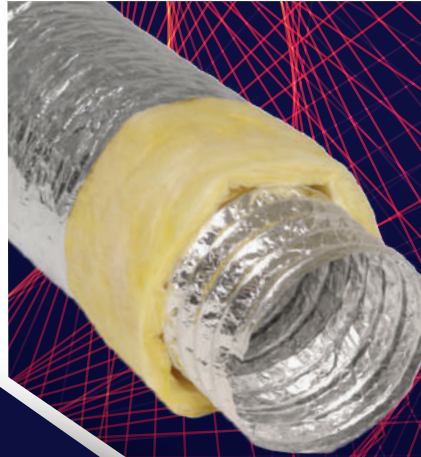


DUXX[®] PRO

INSULATED FLEXIBLE DUCTS



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PRODUCT SPECIFICATION

01 Factory pre-insulated fully flexible air duct designed to meet the requirement of high degree of thermal insulation for the heated and refrigerated HVAC system.

Insulated duct is comprised of multiple layers of aluminum and polyester laminate permanently bonded to a fully encapsulated high tensile spring steel helix.

02

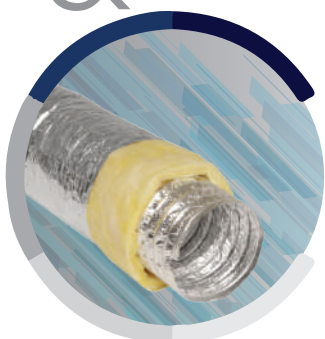
03 Pre-insulated duct is factory wrapped with fiberglass blanket insulation of 25mm thickness. The factory assembly is sheathed with a strong and tough scuff resistant reinforced aluminum/polyester laminate jacketing acting as vapor barrier.

Insulated duct is designed for the air movement that is necessary in HVAC systems in order to maintain high quality air control.

04

05 Insulated duct is constructed from air tight with smooth bore to ensure low friction loss and reduce levels of noise generation.

PRODUCT FEATURES & CLASSIFICATION



- 01** EU-EN 13180
- 02** Diameter Class B
- 03** Tightness Class C
- 04** Crushing Strength
10-30 kg compressed
1.5-4 kg uncompressed.

- FULLY FLEXIBLE**
Good flexibility and compressibility ensuring easy installation and lower labour cost. Compressed to 1-1.2m which can be stored conveniently.
- PRE-INSULATED**
Factory pre-insulated with fiberglass blanket insulation for energy efficiency having the following features:
 - Heat resistant
 - No fiber erosion
 - Minimal energy loss
 - Perfect insulation property
 - No-condensation
- SMOOTH BORE**
Fully encapsulated helix gives a smooth bore ensuring a low pressure drop and good sound insulation.
- DURABLE**
Tough aluminum and polyester layers giving exceptional resistance to puncture or tearing, ensuring low maintenance.

PRODUCT PACKAGING

Easily cut to length, or spliced on site. Conveniently packed, tightly compressed in individual labeled cartons. Light compact packing to provide reduced warehouse and handling costs.

ALUMINUM LAMINATED JACKET

- Impermeable to UV rays
- High resistance to UV rays
- High resistance to wear and tear
- 98 % reflective
- Difficult to ignite



TECHNICAL PROPERTIES

Fire Resistance	Difficult to ignite
Inner Duct Construction	3 ply aluminium+2 polyester
Jacket Construction	1 ply aluminum + 2 polyester
Available Diameters Ø	4", 5", 6", 8", 10", 12" and 14"
Temperature Range	(-30)°C to (125)°C
Air Velocity	30 m/s (max)

Operating Pressure	3000 Pa (max)
Insulation Thickness	25 mm
Density of Fiberglass	16 kg/m3
Thermal Conductivity	k = 0.037 W/mK
Standard Length	10 m
Packing	Single cardboard box