Excelair

FLEXIBLE DUCTS

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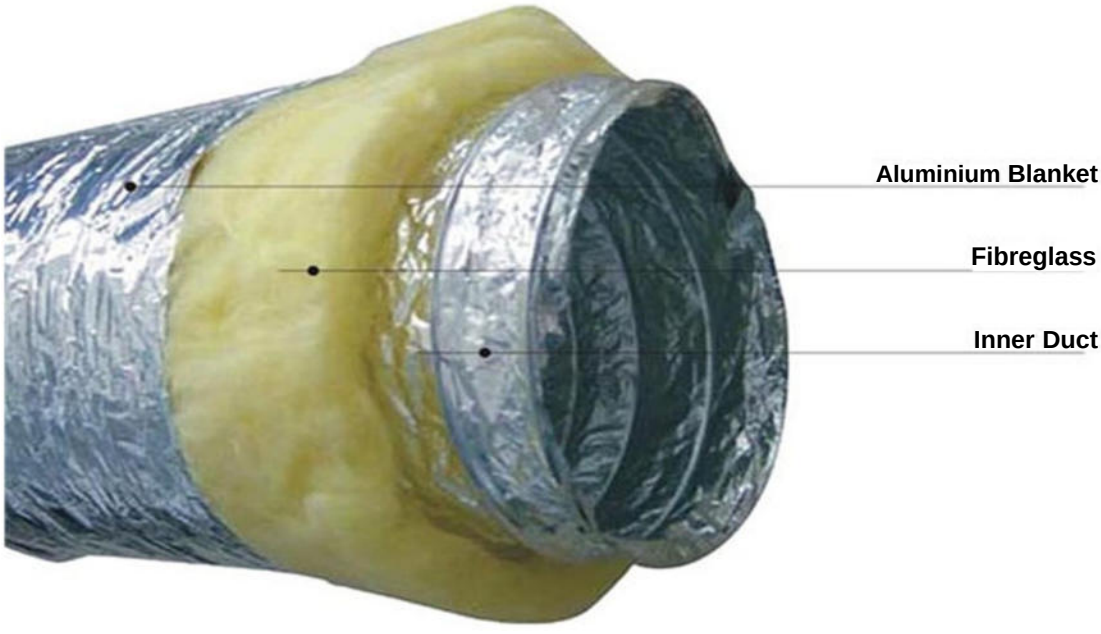
FLEXIBLE DUCT WITH INSULATION

Made of triple lamination Aluminum Foil, Polyester and Metalized Polyester film permanently bonded to a coated spring steel wire helix. Thermal efficiency is provided by wrapping the exterior with a blanket of fiberglass insulation. The strong outer insulation jacket/vapor barrier is made of fiberglass reinforced metalized polyester film laminate.

A high quality, fully flexible acoustic ducting with an acoustically transparent interliner between the inner core and fiberglass layers. It is ideal for use in low and medium pressure ventilations and air conditioning system where attenuation of duct borne noise is required.



AL-ALAM Trading&Contracting
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SPECIFICATIONS

Standard Length:	25ft
Standard Diameters:	4" to 20"
Velocity:	5,000 fpm maximum
Temperature Range:	32 - 200°F
Pressure:	8" Maximum Working Pressure
Insulation Thickness:	25 mm
Insulation Density:	16/24 Kg/m³
Insultaion R Value:	4.2 (°F - hr/BTU)
Packing:	1 piece (25ft) per Carton

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FLEXIBLE DUCT WITHOUT INSULATION

Uninsulated duct made of triple lamination of Aluminum foil, Polyester and Metalized Polyester films permanently bonded to a coated spring steel wire helix.

SPECIFICATIONS

Standard Length:	30ft
Standard Diameters:	4" to 20"
Velocity:	5,000 fpm maximum
Temperature Range:	32 - 200°F
Recommended Operating Pressure:	6" w.g. Pos, all Dia. 1/2" w.g. neg all dia
Packing:	1 piece (25ft) per Carton

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APPLICATIONS & BENEFITS

- Ideal for all Air Conditioning / Ventilating System including those in Hospitals, Hotels, Commercial and Office Buildings and many other Industrial and Residential Applications.
- Available in bare form as well as pre-insulated with fiber-glass insulation.
- Offers a high degree of flexibility, which allows it to be easily connected to any desired contour.
- A quick and economical means of correcting misalignment between system components.
- Allow ducting around obstacles where fabricated and fitted ducts would be difficult and costly to install.

FEATURES & CHARACTERICSTICS

- Tear and puncture resistant construction.
- Excelair offers a smooth inner core when correctly installed ensures reduction in friction loss.
- Highly resistant to corrosion and micro organisms.
- Able to withstand medium air pressure.
- Low operating cost.
- Compressed ducts reduces freight and storage costs.
- No air leakage.
- Spring steel wire helix assures dimensional stability, resist mechanical abuse and provides efficient air distribution.

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NOTES

- Ducting must always be installed fully extended to produce best results.
- Ensure that the duct is not in contact with sharp objects which may puncture the duct when the system is commissioned.

FLEXIBLE DUCT - FRICTION LOSS DIAGRAM