



SHETH INSULATIONS PVT. LTD.

Dealers & Contractor in Thermal Insulation & Waterproofing Materials

Your Energy Saving Partner



Flexible Ducts:

Flexible duct is designed for HVAC system. It is light weight, strong, fully flexible and compressible. Still it is dimensionally Stable.

Flexible duct is made up of double lamination of films permanently bonded a coated spring tough steel wire helix. For thermal efficiency it is wrapped externally with fiber glass wool insulation of various densities and thicknesses as required for Thermal resistance. Outer jacket is made-up of double laminated film with fiber glass yarn reinforcement, which act as a vapour barrier.

Characteristics :

Density in (Kg/M3)	16
Dimensions	Standard Length : 25 Feet / 7.5 Mt
Diameter Range	100 mm to 500 mm (4" to 20")
Maximum Rated Velocity	4000 Ft / Min
Temperature Range	0-90 Deg C
Max. Related Positive Pressure	10 Inch Water
Max. Negative Pressure	1 inch Water
Standard Thickness	25 mm
Insulation R Value	0.64 Sq. mK/W
Fire Rating	Certified as per BS 467 Part 5,6 & 7

Application :

Flexible duct is widely used in all air Conditioning / Ventilating Systems.

- Commercial Building
- Hotels
- Hospitals
- Industrial and residential application



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Advantages :

- Flexible duct provide economical solution to air handling needs.
- Air tight : no air leakage, no Fiber erosion
- Core Material Low friction loss, strong and flame resistant
- Wire – Strong and non Corrosive
- Modular and economical air distributor system with maintenance free life.
- Highly flexible which allows o be connected to any desire position.
- Available as a bare and pre-insulated.
- Reduce total installed cost – Fast and easy to install.
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- Allows ducting around obstacles and fitted ducts would be difficult and costly to install.