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High Value and High Performance: The Advantages of the Knauf KoolDuct® System

Knauf Insulation presents a revolutionary approach to HVAC ductwork—the Knauf KoolDuct® System. Why revolutionary? It's a comprehensive system that includes the materials, custom tools, machinery and specialized training to fabricate every job and ensure Knauf's rigorous quality standards are maintained.

The Knauf KoolDuct System resolves many common design issues such as weight, space, installation time and energy performance. And the Knauf KoolDuct System offers a 5-20% total installed cost savings over conventional insulated sheet metal ductwork systems, depending on the project.

A Complete System with High Performance as the Baseline

- **Premium Insulation Performance:**

Closed cell phenolic foam has the lowest thermal conductivity of any commercially available insulations. ($k=0.1475$ BTU in/hr ft² F).

- **Low Leakage:**

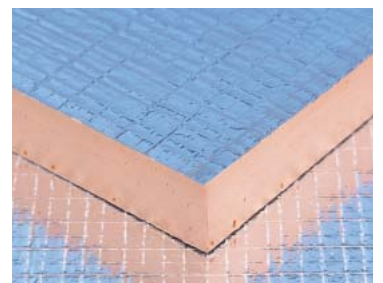
Conforms to SMACNA's Leakage Class 6.

- **Consistent High Quality:**

Installed by registered contractors.

- **High Specification:**

Non-fibrous insulation and fully sealed ductwork ensure suitability for the most demanding applications.



Knauf KoolDuct Systems are built with closed cell, CFC/HCFC-free phenolic foamboard, faced on both sides with reinforced aluminum foil.

The Knauf KoolDuct System

KNAUFINSULATION



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Savings from Multiple Sources Means High Value:

- **Lightweight:** Only 15% of the weight of insulated sheet metal.
- **Space Saver:** Low equivalent thickness of insulation combined with the elimination of insulator's working space above the duct saves 6"-8".
- **Single Fix Installation:** Reduces site time and simplifies contractor management.
- **Electrical Consumption Savings:** Up to 20%, due to low leakage and high thermal performance.
- **Installed Cost Savings:** Very competitive against insulated sheet metal.

Certified Performance

- **Listed Product** to the UL 181 Class 1 Air Duct Standard.
- **Energy Code Compliance** ensured with the choice of two high thermally efficient panels ($2^{9}/_{32}$ ", R-6.1 and $1^{3}/_{16}$ ", R-8).

Environmentally Friendly

- **CFC/HCFC Free:** Zero Ozone Depletion Potential (ODP) System.
- **Efficient Thermal and Leakage Characteristics:** Contribute to energy conservation.
- **Excellent IAQ Solution**



LEED Eligible Product

Use of this product may help building projects meet green building standards as set by the Leadership in Energy and Environmental Design (LEED) Green Building Rating System.