



Heating and Air Conditioning

Features/Benefits

■ Assured Thermal Performance

When installed in accordance with instructions, so that compression is controlled, Fiberglas Rigid Duct Insulation provides specified thermal performance (see R-value table). Operating costs are controlled due to reduction of heat loss or gain through sheet metal duct walls.

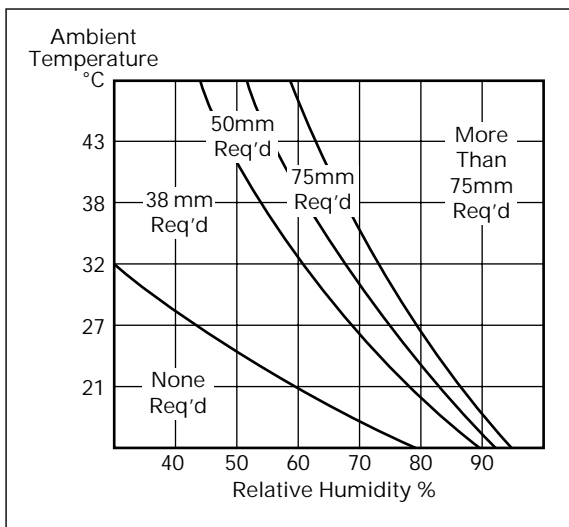
■ Enhanced Comfort Control

Fiberglas Rigid Duct Insulation helps heating and cooling systems to deliver conditioned air to occupied spaces at or near design temperatures. By conserving heating and cooling energy, HVAC systems may operate under reduced load.

Condensation Control

To determine thickness to prevent condensation at various ambient temperature and humidity levels, based on installed thickness 75% of nominal (out-of-package) thickness, 13°C air duct internal temperature:

1. Select maximum expected relative humidity (RH) on the lower scale.
2. Move up vertically until that line intersects the expected maximum ambient air temperature.
3. Select the thickness indicated by the intersection point.



This chart is based on indoor conditions so far as wind and other factors are concerned.

Installation Recommendation

Fiberglas Rigid Duct Insulation can be easily cut with a knife and neatly fitted into irregularly shaped areas. They can be applied using mechanical fasteners, such as weld pins or stick clips, and/or adhesive. Pin spacing along a duct should be no greater than 300mm on centers. Fasteners should be located no less than 75 mm from each edge or corner of the board. When installing faced boards, apply pressure-sensitive patches and joint sealing tape. 75mm wide sealing tape should be used on flat surfaces or where edges are shiplapped and stapled.

Note: Outdoor applications require additional weather protection.