

GRANRIC **GLASSWOOL**

FRK DUCT INSULATION

FRK Duct Insulation is a thermal insulation blanket for wrapping around air conditioning ducts. FRK Duct Insulation is manufactured from a high quality, non-combustible Glasswool insulation, with an inert binder. FRK Duct Insulation is faced on one side with a reinforced foil.



Features & benefits

- ✓ Can be used in high humidity environment
- ✓ Condensation control
- ✓ Durable product with long lifespan
- ✓ Lifelong energy savings
- ✓ Lightweight for quick and easy installation
- ✓ Non-combustible
- ✓ Reduces energy costs
- ✓ Reduces noise
- ✓ Safe and easy to use



THERMAL PROPERTIES

- Provides significant reduction in heat gain and loss.



FIRE PROPERTIES

- Tested to SANS 53501-1 Reaction to Fire
- A2 – S1, d0



ENVIRONMENTAL SUSTAINABILITY

- Less material, energy and less emissions
- Zero ozone depleting potential (ODP)
 - Zero global warming potential (GWP)



ACOUSTIC PROPERTIES

- Offers exceptional acoustic properties and enhances indoor environmental quality by absorption of noise.



APPLICATION

- External wrap around metal air conditioning ducts



DURABILITY

- Dust settlement will not hamper the products performance
- Non-hygroscopic
- Odourless, inert and fully compatible with all standard building materials and components
- Will not breed or promote fungi, mold, bacteria
- Will not promote corrosion of steel, copper or aluminum
- Will not sustain vermin

HANDLING & STORAGE

Store product under cover and in dry conditions. Store flat. Handle with care, especially on the edges and corners, which can be damaged if subjected to sharp or heavy impact. Do not apply excessive pressure, for example by standing or sitting on the product, as permanent damage can occur.

PHYSICAL PROPERTIES

Rval (m2. K/W)	Thickness (mm)	Length (mm)	Width (mm)	Density (kg/m3)	K-value (W/m.K)	NRC Value
0.66	25	10 000	1200	18	0.038	0.75
1.05	40	10 000	1200	18	0.038	0.85
1.32	50	10 000	1200	18	0.038	0.90

TOOLS NEEDED FOR INSTALLATION

Tape measure, sharp knife/blade, straight edge or strapping equipment.

INSTALLATION INSTRUCTIONS

1. Before installation of the FRK Duct Insulation, ensure that duct surfaces are clean and dry and that all seams/joints are sealed properly.
2. All portions of the duct designated to receive insulation, should be completely covered with FRK Duct insulation.
3. Install the insulation with the facing showing, butting the adjacent rolls tightly together, utilising the 100m facing overlap to ensure adequate seal.
4. Seams and joints should be sealed with pressure-sensitive tape, matching the insulation facing.
5. Where rectangular ducts are 600mm in width or greater, FRK Duct Insulation should be additionally secured with strapping at 300mm centres.
6. Where a vapor barrier is required, seal all tears, punctures and other penetrations of the insulation facing.