



## GRANRIC GLASSWOOL FRK DUCT INSULATION

### DESCRIPTION

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 a 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

### FIRE PROPERTIES

The overall classification of this product in terms of the SANS 428 specification is:

- Non-combustible
- Class A

## THERMAL PROPERTIES

Provides significant reduction in heat gain and loss.

## ENVIRONMENTAL SUSTAINABILITY

Less material, energy and emissions  
ODP - zero ozone depleting potential  
GWP - zero global warming potential

## ACOUSTIC PROPERTIES

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

## APPLICATIONS

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, mould, bacteria
- Will not promote corrosion of steel, copper or aluminium
- Will not sustain vermin

## PHYSICAL PROPERTIES

Rval (m <sup>2</sup> .K/W)	Thickness (mm)	Length (mm)	Width (mm)	Density (kg/m <sup>3</sup> )	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

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

## INSTALLATION INSTRUCTIONS

1. Before installation of 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 100mm facing overlap to ensure an 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 vapour barrier is required, seal all tears, punctures and other penetrations of the insulation facing.

## 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 damaged can occur.

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