



## Ductwrap®

Glasswool: thermal insulation blanket for HVAC ducts





**Ductwrap®** is a Glasswool thermal insulation blanket with reinforced foil facing. This product is designed to be applied around air-conditioning ducts.

## TECHNICAL DATA SHEET



### ENERGY SAVING



### NON-COMBUSTIBLE



### THERMAL COMFORT



### SOUND INSULATION & ABSORPTION

#### DESCRIPTION

Ductwrap® is a thermal insulation blanket specifically designed to wrap around air-conditioning ducts. Manufactured from high quality, non-combustible Glasswool, bonded with an inert thermosetting resin binder and faced with a reinforced foil. A 100 mm overlapping flange is provided on one side for a neater appearance and adequate seal.

#### QUALITY MANAGEMENT SYSTEM

Isover products are manufactured according to ISO 9001:2015.

#### ENVIRONMENTAL SUSTAINABILITY

Isover products are manufactured according to ISO 14001:2015.

Less material, less energy and less emissions

- Zero ozone depleting potential (ODP)
- Zero global warming potential (GWP).

#### FEATURES & BENEFITS

- Energy saving
- Non-combustible
- Lightweight - facilitates fast and easy installation
- Safe application and use
- Can be used in a high humidity environment
- Long product life
- Ensure lower operating costs
- Noise reduction.

## FIRE PROPERTIES

- Non-combustible – tested to SANS 10177 Part 5.

## THERMAL PROPERTIES

Significantly reduces heat gain and loss.

## ACOUSTIC PROPERTIES

Offers exceptional acoustic properties and enhances indoor environmental quality by absorption of mechanical noise generated by air-conditioning equipment.

## APPLICATIONS

- External wrap around metal air-conditioning ducts
- Rectangular and round heating, ventilation and air-conditioning systems.

## DURABILITY

- Odourless, inert and fully compatible with all standard building materials and components
- Will not promote corrosion of steel, copper or aluminium
- Will not breed or promote fungi, mould or bacteria
- Non-hygroscopic
- Prevents condensation on cold metal duct surfaces, extending the life of the system.

## PHYSICAL PROPERTIES

R-value (m <sup>2</sup> .K/W)	Thickness (mm)	*Lengths (mm)	Width (mm)	Density (kg/m <sup>3</sup> )	K-value (W/m.K)	NRC
0.66	25	10 000	1 200	18	0.038	0.75
1.32	50	10 000	1 200	16	0.038	0.90

## TOOLS NEEDED FOR INSTALLATION

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

## INSTALLATION INSTRUCTIONS

1. Before applying Ductwrap<sup>®</sup>, air ducts should be clean, dry and tightly sealed at all joints and seams.
2. All portions of duct designated to receive Ductwrap<sup>®</sup> should be completely covered with Ductwrap<sup>®</sup>.
3. Install Ductwrap<sup>®</sup> with the facing showing, butting the adjacent rolls tightly together, utilising the 100 mm 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 600 mm in width or greater, Ductwrap<sup>®</sup> insulation should be additionally secured with strapping at 300 mm centres.

6. Where vapour barrier is required, seal all tears, punctures and other penetrations of the Ductwrap<sup>®</sup> facing.

## HANDLING AND STORAGE

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

## ARCHITECTURAL SPECIFICATION

Install (25/50) mm thick flexible non-combustible lightweight “Ductwrap<sup>®</sup>” with reinforced foil facing over rectangular and round (heating/ventilation/air-conditioning) duct system.

