

Geyser Pipe Insulation

ISOVER

Isover's **Geyser Pipe Insulation Pack** consists of six 1 metre Glasswool snap on pipes which are non-combustible and achieve an R-value of 1.00, which is required by the SANS 10400-XA legislation.

By insulating your hot water pipes you can save up to 37% of the energy used by your geyser system, offering a payback within 6 months.



Geyser Insulation Pack

ISOVER

Isover's **Geyser Insulation Pack** consists of a flexible foil faced Glasswool insulation blanket with a R-value of 1.25, tape and five 1 metre snap on pipes, which exceed the requirements laid out in SANS 10400-XA.

By insulating your geyser and pipes you can save up to 58% of the energy used by your geyser system, offering a payback within 6 months.



Geyser Pipe Insulation

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Insulation that meets the requirements



The Regulator (NRCS) has published legislation regarding energy efficiency in new buildings (NBR-XA)

Here's what you need to know for your hot water services

South Africa's mounting energy crisis means that we all need to think of innovative ways to save electricity in our homes and of products that can help you reduce our current electricity usage.

Buildings typically account for 40% of all energy consumed in South Africa and yet their potential to save energy is huge. Thermal insulation will have to be included in the design of **all new buildings**. This, in combination with energy saving techniques, makes it possible to save up to 78% of a building's energy consumption for space heating, cooling and hot water services.

The **National Building Regulation (NBR)** has been updated to include Part X which addresses environmental sustainability and Part XA which establishes requirements for **energy efficiency in new buildings**.

The **National Standard SANS 10400** (building code) is made up of various parts. Parts A to W are deemed to satisfy rules which, if adhered to, will ensure compliance to the National Building Regulations. Each part covers different aspects of the construction and finishing of buildings. These are the minimum standards that ensure the health and occupational safety of the occupants in these buildings.

The application of this new regulation is good news for the environment and will help you save electricity.

A geyser consumes 35% of a typical household's electricity and this can be reduced by up to 37% by insulating your geyser's adjoining hot water pipes. The savings can vary depending on the length of pipes insulated, geyser thermostat setting and hot water usage.



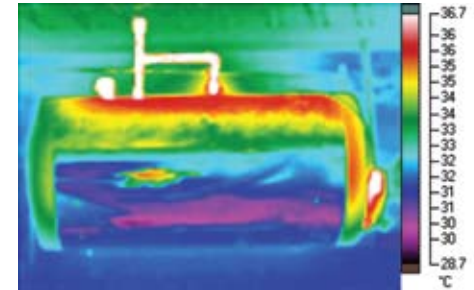
Hot water supply requirements SANS 10400-XA

» Geysers

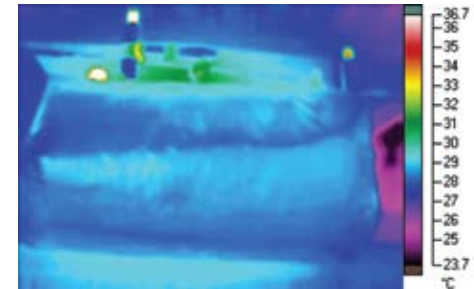
- A minimum of 50% of the annual average heating requirement for hot water must be provided by means other than electric resistance heating (Geyser) or fossil fuels
- See options below but not only limited to these:
 - Solar heating
 - Heat pumps
 - Geothermal heat
 - Renewable combustible fuel
 - Heat recovery from alternative systems and processes

» All exposed hot water pipes ≤ 80 mm diameter

- Must be insulated with a minimum R-value of 1.00



Heat loss from a standard geyser and pipes.



Reduced heat loss due to Isover Geyser Insulation Pack.



Isover's Geyser Insulation Pack



All material has an R-value, which is the ability of a product to resist the transfer of heat. Thermal insulation provides a high resistance to the flow of heat from the warm surface to the cold surface in your home. This limits the impact of the outside temperature, helping you maintain a comfortable living environment.

Insulation R-value should be indicated on the packaging.