

Walk in Fridges to have strip curtains in place

A multi strip curtain that covers the doorway of a walk-in fridge/freezer, usually made from clear PVC.

- Refrigeration can account for as much as 15% of a hotels total electricity consumption.
- Strip curtains help reduce the loss of cold which is replaced by warmer, more humid air, while the fridge door is open. This warm air needs to be cooled for the fridge/freezer to maintain its set point temperature. Reducing the amount of warm air that can enter the system will reduce the energy used to maintain the required temperature level and possibly reduce maintenance costs for plant and machinery.
- PVC strip curtains can reduce cold loss by approx 50 to 60%, insulated strip curtains can reduce losses by 80% depending on application and traffic.

Application: On all frequently used walk in fridges/freezers
 Ease: 5/5
 Availability: 5/5

Factors to consider:

availability of insulated strip curtains in South Africa is unknown

Cost R400 to R800 for PVC curtains DIY

Payback: approximately 1 year, depending on traffic and door open time vs. door-closed time.



Cold store with PVC strip curtain



Cold store with insulated strip curtain

Requirements to meet criteria:

- Must have a strip curtain that covers entire opening on all walk in fridges and freezers.
- The light in the fridge freezer has to be connected to the door, so it doesn't stay on once the door is closed.
- In case the door is left open for too long an alarm must sound warning users about the open door, making sure it will be shut.