GUARDIAN THERMAL BREAK Heavy duty Insulated Roller Shutters has been specifically designed to meet the ever increasing need for thermal and acoustic insulation. It has a uniquely dimensioned twin skinned latin section and boasts a thermal value of 0.69w/MK along with an acoustic insulation value of 18DBA. A range of control, security, safety and aesthetic options means the Thermal Break is suitable for many applications.

MAX SIZE OF APPROX 90m²
INSULATION VALUE - 0.69w/MK
ACOUSTIC VALUE OF 18DBA
GALVANISED STEEL CONSTRUCTION
RANGE OF CONTROL OPTIONS
EASE OF REPAIR
RANGE OF SECURITY OPTIONS

IMAGE INFORMATION - SHOWN HERE IS OUR THERMAL BREAK DIRECT DRIVE THE TB001. IT IS SHOWN WITH 3 ROWS OF WINDOWS 200MM x 37MM WITH 200 MM CENTRES. ALSO SHOWN WITH SAFETY PHOTOCELLS AND OPTO SAFETY EDGE
**SPECIFICATION**

**SHUTTER CURTAIN**
Manufactured from interlocked aluminium sections with twin ribbed faces for rigidity, complete with hardened security bars. Specially coated using SP80 abrasion resistant paint system producing a hard wearing door panel coating. The curtain, when assembled, is held in position with purposely designed injection moulded end fittings, manufactured from hard wearing nylon-6. The bottom of the shutter is terminated with a purpose designed extrusion.

**BOTTOM RAIL**
Formed from cold rolled steel section complete with rubber weather buffer to provide a water tight barrier when the door is closed.

**ROLLER BARREL ASSEMBLY**
Constructed from mild steel tube with helicoil counter balance springs, mounted on 25mm steel shaft, with mild steel bearing blocks at each end and incorporating high speed bearings. Tube and shaft sizes vary according to overall door dimensions and weight.

**ELECTRIC MOTOR**

**ROLLER HEAD BRACKETS**
Fabricated from steel plate 406 mm laser cut plate as standard, bespoke designs for larger shutters

**COIL CASING**
Constructed from steel sheet thickness dependant on shutter width (Optional Upgrade)

**GUIDE ASSEMBLY**
Guide assembly is of sufficient depth to withstand normal wind loadings. The exact size varies depending on the size of the opening. Guides are formed from cold rolled channel sections secured to the opening by continuous steel angles, or from specially designed pressed steel section to give additional protection from high winds.

**LOCKING**
Via the geared electric motor – additional locking systems available, Ground locks, Side locks, (with electric interlocks)

**FINISH**
All parts not galvanised are painted with one coat primer

**CURTAIN** - Constructed from a 50mm flat / 75mm curved steel scroll laths interlocked with steel end locks and galvanised double formed bottom rail.

**OPTIONAL EXTRAS**
- Powder coated finish to any BS or RAL number
- Ground locking units and interlock
- Burglar alarm connection
- Timer activation
- Remote operation
- Sentinel security gate