

**The MDS Industrial Insulated Roller Shutter Door** is designed, manufactured, installed and serviced by our own teams of engineers in operating conditions as tough and diverse as St Helena in the South Atlantic to Kandahar in Afghanistan. Manufactured fully in accordance with BS/EN 13241 and BS/EN 10077-1 it meets or exceeds most UK and international building regulations.

**Curtain specification:** The material is of pre-galvanized construction and is designed to provide a hollow section



panel with CFC & HCFC free thermal infill. Each panel section is 100mm deep with twin-ribbed face for rigidity. The option is available to add vision panels.

**Sound Reduction / Thermal Insulation:** The roller shutter has a weighted sound reduction value of 18dB (BS 5821 Part 3: 1984) and an insulation value of 4.5 W/m<sup>2</sup>.



**Barrels:** Constructed from mild steel tube with inner blocks, helical springs to BS970EN 498 in the case of a chain operated or assisted shutter. The sizes and types of spring are designed to accommodate the appropriate curtain weight. Where additional gearing is provided for operation this may consist of either spur gearing or chain drive.

**Side Guides:** Formed in roller steel channel, wind anchor type, complete with suitable mounting angle where necessary. The depth and type of guide will be subject to the door size and location. Door guides are finished primed.

**Power Operation:** An electric motor unit of suitable rating would be mounted at high level to the gear end of the bracket, the motor being complete with controlling limits, brake unit and emergency hand chain facility. A standard starter unit would also be provided with raise, lower and stop buttons. All electrical equipment would be to suit 380/415v 3ph 50 cycles supply. The life expectancy of the motor is 100,000 cycles.

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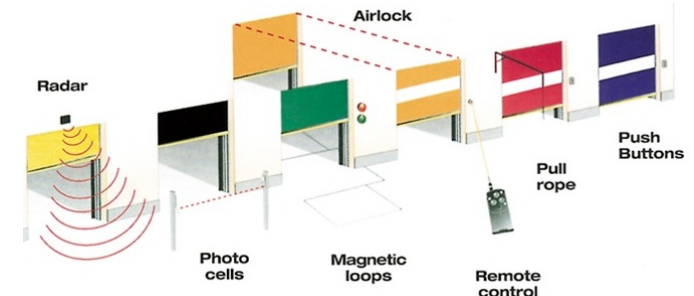
**Brush Seals:** Fixed if specified to the sides and bottom rail of the roller shutter and off the client's soffit to close the gap between the curtain face and building line, consisting of a heavy duty brush in an aluminum carrier.



**Powder Coated Finishes:** As an optional extra powder coated finishes can be provided to the shutter in standard RAL or BS standard colours as well as non-standard colours if samples are provided for us to analyse.



**Activation Options:** As our standard offering opening activation on electric shutters is "dead man down" operation, i.e. the operative needs to keep their finger on the button to lower the door. Various automated activation options are available, such as radar, remote control and floor laid vehicle detection loops. Each require the addition of safety beams and a safety bottom bar that can be supplied factory fitted.



**Warranty:**

We warranty all parts free from manufacturer's defects for a period of twelve months from the commissioning date. The warranty also covers call out charges and fitting charges for replacement parts supplied under the warranty. The warranty does not cover repairs due to accidental damage or misuse, fair wear and tear or any loss of use while replacement parts are being supplied or fitted.



Assessed to ISO 9001:2008  
BRE ref. no. 964



Made in UK



*"Engineering is our expertise, doors are our daily obsession."*