

Insulated Roller Shutter Door



Insulated Roller Shutters are purpose made for industrial and commercial usage. They are suitable for a whole host of applications ranging from warehouse or factories to commercial shop frontage, arenas and car parks.

Insulated Roller Shutter Doors are becoming extremely popular due to their ability to withstand medium usage, its ease of use, and the protection from noise and draughts. The doors can either operate with a single phase or three phase motor depending on the application and usage.

Each door panel is made from a 90mm lath profile that is infilled with insulation. The external finishes can be either the basic galvanised steel, plastisol or powder coated finishes.

Benefits

- High level of security
- Simple to use
- Aesthetically pleasing
- Manual or electric operation
- Offers good insulation and sound proofing
- CE Marking manufactured to BS EN 13241.1

Insulated Roller Shutter Door Specification

Specification

Shutter Curtain	'U' Value 0.69w/m ² k Acoustics 18 Db
	Manufactured from interlocked galvanised sections with twin-ribbed faces for rigidity. Each panel is 90mm profile, infilled with insulation. The curtain when assembled is held in position with purposely-designed injection moulded end fittings, manufactured from hardwearing nylon. The bottom of the shutter is terminated with a purpose-designed extrusion complete with interlocking rubber weather seal.
Barrel	Constructed from mild steel tube of a sufficient diameter to withstand significant deflection across the width of the opening. The barrel is mounted on galvanised steel endplates that are secured to the guide angles.
Main Support Brackets	The main support brackets for the barrel are manufactured from pre-galvanised mild steel plates. They are bolted to the main support angles, which are manufactured from galvanised mild steel of a minimum thickness of 5mm. The weight of the shutter sits on the floor slab and is fixed back to the main structure at intervals less than 1000mm apart. The guides are fitted to the angles with dome headed zinc bolts.
Vertical Side Guides	Formed from pre-galvanised material having a thickness of 2.5mm incorporating twin vertical brushes on both inner and outer face of the guide. Brush carrier is constructed from PVC of medium impact strength and incorporating twin siliconised polypropylene weather strips, these running full height of the door guide.
Bottom Rail Section	Formed from pre-galvanised u-channel material with a formed rubber seal.
Canopy	A main canopy can be fitted to cover top roll and improves the appearance of the door, it also acts as a weather seal, and a motor canopy is always fitted to outside doors. All canopies are manufactured from 20swg galvanised steel then folded into shape.
Finish	Curtain, bottom rail, guides, angles, end plates and canopies are galvanised. Mild steel components are finished with one coat of rust inhibiting primer.
Motor Drive	The operator is a hollow shaft geared brake motor complete with geared limit switches with an integral anti-fall back device, thermal overload protection and manual override. Motors are available in three phase and single phase.
Control Panel	The pre-wired door controller is fitted at high level with pre-wired low voltage up down and stop button. Additional control cards can be plugged into the motherboard to allow fully automatic running with the relevant safety features.
CE Marking	All powered doors carry a CE mark and conformity should be verified prior to purchasing a product.

The company reserves the right to change specification without notice.