

Thermicroll Spiral 40



The Thermicroll Spiral 40 is designed for continual use in both internal and external applications

The curtain profiles are an insulated double skinned aluminium design, complete with thermal breaks for high insulation and acoustic values. The patented design of the spiral heading and guide sections allow for a smooth, quite and fast operation. The curtain profile rolls up in the heading spiral contact free so greatly reduces wear.

Emergency opening is achieved by the counter weight system built into the column, along with the direct drive and 3 phase inverter controls, the operating speeds are fast and smooth.

Features & Benefits

- 3ph motor with inverter drive controls
- Up to 1.8 m/s opening speed
- User friendly with minimal maintenance
- Quiet high speed operation
- Resistive wireless safety edge
- Low level photocell
- Light grid (optional)
- Helps to reduce heat loss
- Thermal performance $1.4\text{W/m}^2\text{K}$
- Simple opening if power fails



Technical and Operating Specifications

Application	Internal	Standard
	External	Standard
Speed	Maximum Opening Speed	1.8 m/s
	Maximum Closing Speed	0.8 m/s
Door Sizes	Maximum Width	6500mm
	Maximum Height	6000mm
Space Requirements for Fitting	Motor Side	350mm
	Non Motor Side	350mm
	Head Room Depending on size	650mm / 1000mm
Wind Class	4000 x 4000	Up to Class 5
	5000 x 5000	Up to Class 5
	6500 x 6000	Up to Class 4
Curtain Material	42mm Insulated Aluminium / Steel	Standard
	Painted steel	Optional
Curtain Colours	Self Colour	Standard
Control Panel	Inverter controls in a Steel case	Standard
Control Panel Dimensions	300w x 400h x 150d	Standard
Operating Temperature	-30°C - +40°C	Heating kits optional extra
Door Frame Construction	Galvanised Steel	Standard
Guide Material	Self Lubricating Polyethylene	Standard
Power Supply	3 Phase Neutral and Earth 400v	16 Amp slow acting fuse
Supply Cable	Correct size to avoid power lose	As per Electrical Regulations
Column Covers	Galvanised	Standard
Barrel Cover	Galvanised	Optional
Motor Position	Within the column	Standard
Safety Edge	Wireless Resistive Style	Standard
Photocell	Transmitter / Receiver Type	Standard
Vision Panels	Various options	Optional
Timed Close	Selected on Installation	0 - 200 secs
Limits	Digital Encoder	Standard
Emergency Opening	Counter Weight	Standard

Optional Extras

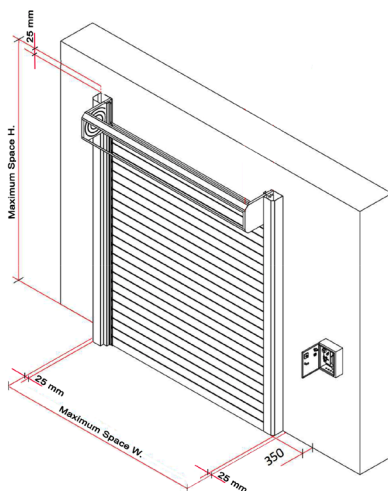
Various Vision Panel Designs	Pull Cord and Gallows	Key Switch
Perforated Lath	Stainless Steel Frame	Powder Coated Frame
Remote Control	Induction Loop Detectors	Digital Keypad
Radars	Flashing Light	
Proximity Sensors	Traffic Lights	
Light Grid	Heating Kits to Guides and Motors	

Standards and Conformity

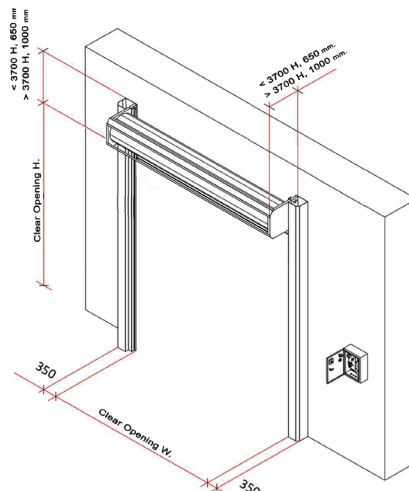
Mechanical Compliance	BS EN12604	
Resistance against Wind Pressure	DIN EN 12424 - 44	Class 3
Air Permeability	EN 12426 - 7	Class 0
Thermal Performance	EN 12428	1.4W/m²K
Resistance to Water Penetration	EN12425 - 489	Class 3
Compliant to European Standard	EN13241	

Technical Drawings

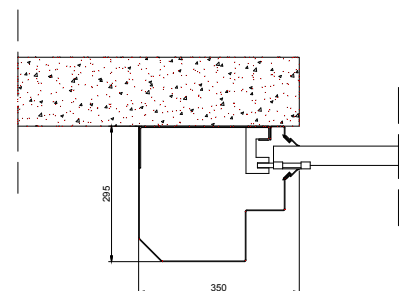
Reveal Fit Application



Face Fit Application



Column



Distributor Details

