

TEKTATMTHERM

ROLLASHIELD SD SECTIONAL DOORS

- Very energy-efficient to keep energy bills down
- Safe and secure door, especially suited for external
- Range of track options to suit roof/headroom
- Manual or motorised operation

Applications:
 Loading Bays
 Distribution Centres
 Temperature-controlled Buildings
 Workshops
 Storerooms & Warehouses
 Battery Charging Rooms



Rollashield SD sectional doors offer superior resistance to all weather conditions; along with offering security and excellent insulation. These qualities, combined with simple and efficient operation makes them a popular choice for external doorways on temperature-controlled buildings.

Sectional overhead doors have the advantage of having no areas of cold bridging to satisfy Building Regulations for new buildings and their thermal performance helps to keep energy bills down. The panels typically achieve a U-value of 0.51 W/m²K meaning a fully installed 5m x 5m door will achieve a U-value of around 0.9 W/m²K. Additionally an upgraded 80mm panel is available giving performance of 0.24 W/m²K making it a popular choice for chilled distribution centres. Air tightness is also excellent, available as standard with Class 2 air-permeability or upgraded to Class 4.

The doors are available with manual or motorised operation along with a variety of control methods. The head tracks can be configured to suit the headroom and roof pitch available.

The Rollashield SD door is often used for loading bays in combination with our Prodok range of loading bay equipment including dock levellers and dock shelters.

The doors can be fitted with integral personnel doors to facilitate pedestrian traffic with minimal energy loss. A wide range of vision windows are available for safety and aesthetic reasons as well as to let light into areas such as workshops.



ROLLASHIELD SD SECTIONAL OVERHEAD DOORS

Rollashield SD sectional overhead doors are a reliable and energy-efficient door designed for external openings on all types of buildings, for both new build and existing projects.



Function	Standard	Optional
Maximum width	9000mm	Larger sizes available on request
Maximum height	9000mm	Larger sizes available on request
Panel Construction	Insulated sandwich panel, constructed with hot dip zinc-coated steel outer skin and insulated with high density CFC-free foam core and Class 1 surface spread of flame to BS 476: Part 7: 1971	
Panel Design	V-grooved pattern to both faces	
Panel Thickness	40mm	80mm
Panel Height	610mm	
Panel external colours	Polyester 25 micron stucco finish: Ivory; Sunset Red; Gentian Blue; Silver; Anthracite; Fir Green; Grey Aluminium; Bone White; White	Plastisol 200 micron leathergrain embossed thermoplastic finish: Goosewing Grey; Merlin Grey; Gull Grey; Azure Blue; Olive Green; Khaki Green; Van Dyke Brown; Sapphire Blue; Leaf Green; Flame Red; Cornflower Blue; Sunflower Yellow
Panel internal colours	Polyester stucco 25 micron finish White RAL 9010	
Operation	Manual Handchain	Manual push up (spring assist) Motorised with 415V 3-phase industrial motor
Emergency override	Manual Handchain	
Head Gear	Counterbalanced with springs constructed from high-tensile helical wound steel, shot-blasted for improved performance. Springs mounted on a steel shaft supported by bearing brackets with sealed rollers.	
Spring Life Cycle	Minimum 20,000 cycles	
Cables	Aircraft quality with 7:1 safety factor, rolling on cable drums mounted to the spring shaft.	
Door Guides	Galvanized steel	
Door Hardware	Galvanized steel	Stainless steel
Door Seals	EPDM seals to four sides	
Safety	Spring break device; Cable break device	Bottom optical safety edge; Safety photocell
Vision windows	Rectangular rounded	Rectangular; Panoramic style door
Head Track	Standard lift	Follow the pitch; Low-headroom; High-lift; Vertical lift
Performance	CE Marked; BS EN 13241-1: 2003 + A1: 2011; BS EN 12604; BS EN 12453	
Wind Pressure	Class 3 to BS EN 12424	Higher classes available on request
Water Penetration	Class 3 to BS EN 12425	
Air Permeability	Class 2 to BS EN 12426, offering air tightness of 12m ³ /m ² h at 50 Pa	Class 4, offering air tightness of 3m ³ /m ² h at 50 Pa
U-Value	0.51 W/M ² K	0.24 W/M ² K
Acoustic Performance	25dB	