

# Spiral ISO 50

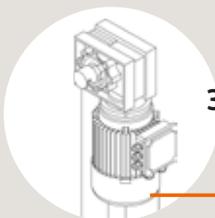
Top-of-the-range door among the fastest insulating roller shutters. It guarantees the best performance in terms of speed, safety and insulation, with impeccable aesthetics; suitable for both indoor and outdoor use.



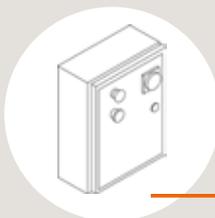
**Thermicroll**



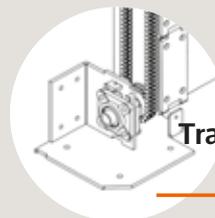
**Opening speed up to 2 m/s**



**3.000.000 cycles**



**Inverter Control Panel**



**Chain Transmission**  
Push - Pull



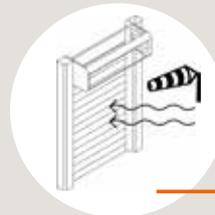
**Spiral Wrap**



**Frictionless between Panels**



**Panels 50mm thick**  
Thermal insulation  
 $\sim 1,5 \text{ W/m}^2\text{K}$



**Wind resistance**  
Up to class 4

PARAMETERS	TECHNICAL OPERATIONAL DETAILS	
APPLICATION	Indoor and outdoor	
MAX DIMENSION **	W 8000 mm, H 8000 mm (max. dimensions not combinable)	
OPENING SPEED *	Up to 2 m/s	
CLOSING SPEED *	~ 0,5 m/s	
THERMAL CONDUCTIVITY *	~ U = 1,5 W/m <sup>2</sup> K	
ACOUSTICS *	22 Db	
WIND RESISTANCE *	Class: 0 - 4	
STRUCTURE	<b>Standard:</b> Galvanised steel	<b>Optional:</b> Steel powder-coated in RAL
COATING THICKNESS 50 MM	<b>Standard:</b> <b>INSULATION:</b> pre-painted aluminium RAL STD (close to 9006, 1013, 3000, 5010, 7016, 7035, 9002, 9010, 9016)	<b>Optional:</b> <b>INSULATION:</b> <ul style="list-style-type: none"> <li>aluminium powder-coated in RAL</li> <li>pre-painted steel RAL 9006</li> <li>steel powder-coated in RAL</li> </ul> <b>EXTRUDED</b> (with window/airflow): <ul style="list-style-type: none"> <li>aluminium OX</li> <li>aluminium powder-coated in RAL</li> </ul>
SPIRAL - GUIDES	Patented, in high density polyethylene HDPE 500	
OPERATION	Duplex chain	
TOP COVER	<b>Standard:</b> (Mandatory) useful_H < 2500 mm	<b>Optional:</b> Useful_H >= 2500 mm
CONTROL PANEL	Inverter	
POWER SUPPLY	<b>Standard:</b> Three-phase 400 V + N	<b>Optional:</b> Single-phase 230 V
FREQUENCY	50/60 Hz	
LIMIT SWITCH	Absolute Encoder	
GEARED MOTOR	Motorised asynchronous with 110 V electric brake for intensive high-frequency use	
MANUAL OPERATION IN CASE OF POWER FAILURE *	Opening with crank (counterweight) / Chain winch	
SAFETY DEVICES	Photocell barrier	
DURABILITY	3,000,000 opening and closing cycles with periodic maintenance	

\* depending on the cladding, the place of the cladding and the dimensions of the door, subject to technical modifications without prior notice.

\*\* for larger sizes / special uses contact the Thermicroll technical office.

## Coating finishes range

- |  |  |
|--|--|
|  simil RAL 9006 |  simil RAL 7035 |
|  simil RAL 1013 |  simil RAL 9002 |
|  simil RAL 3000 |  simil RAL 9010 |
|  simil RAL 5010 |  simil RAL 9016 |
|  simil RAL 7016 |  RAL PAINTING   |

## Dimensions \*

