GLAXTIC® Cold room

The Ideal solution for

- FOOD INDUSTRY
- PHARMACEUTICAL
- COLD CHAIN LOGISTICS
- RETAIL

GLAXTIC® Cold room

The GLAXTIC Cold room high-speed door is specifically designed for cold environments, such as food processing facilities and refrigerated storage warehouses. It ensures full compliance with hygiene standards, safeguards the cold chain, and provides superior thermal insulation and sealing, even in the most demanding conditions.

Features

Temperature Control: Capable of operating in extreme conditions, the door maintains effectiveness in both positive and negative temperatures, down to -30°C.

Superior Heating System: Equipped with a heating system, the door prevents frost buildup and ensures smooth operation in cold environments.

Triple Insulation: Featuring ISO fabric with triple insulation, the door provides superior thermal insulation enhancing temperature stability

Energy Efficient: The GLAXTIC® Cold Room Door is designed to reduce energy expenses, contributing to significant cost savings.

Technical Specifications

Applications
- Cold environments (indoor) - food processing facilities and refrigerated storage warehouses.

Dimensions
- Maximum dimensions (L) 4000 mm x (H) 4000 mm

Structure (Frame and sides)
- Standard- Galvanized steel with epoxy powder coating
- Optional- INOX /Stainless Steel 304 (1.5mm)

Curtain and Insulation
- Triple-insulated curtain
- SIOEN 100% high tenacity polyester pre-strained canvas with coated PVC (0.8 mm THK)
- Mildew resistance
- Anti-static
- Polyethylene foam (PE) insulation (10mm THK)
- Total Thickness of Panel : 11.60 mm.

Operation
- Opening Speed: 1.2m/s, adjustable
- Closing Speed: 0.5m/s, adjustable

Standard safety features
- Integrated Horizontal Sensors in Leg

Control Box
- Galvanized steel or Stainless steel housing
- Safety class: IP65

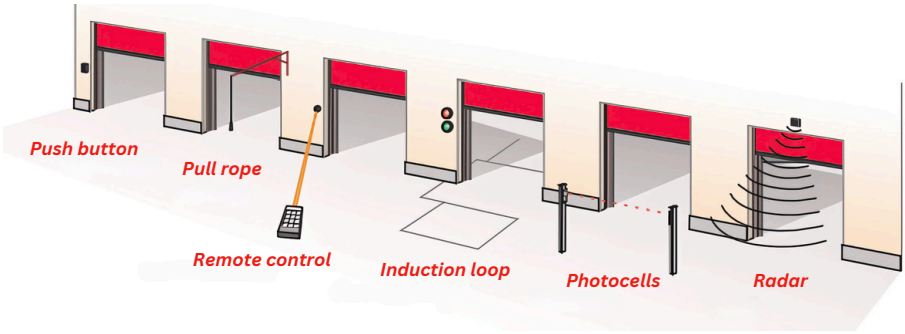
Drive System
- Servo Motor Precision Control:
- Supply Voltage: AC220V±10%, 50/60Hz
- Power: 1.5 KW
- Safety class: IP65
- Final shaft position indicated by encoder

Heater:
- Aluminum foil electric heating plate for heating panel (This type of device is located in both legs)

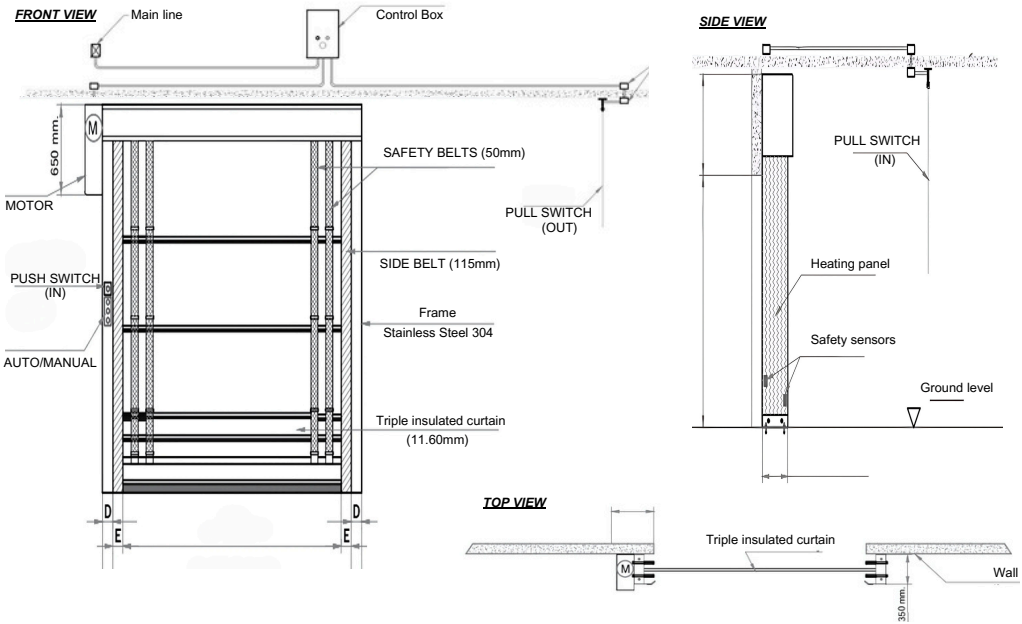
Operating Life
- 500,000 cycles

Working Temperature Range
- -30°C to 40°C

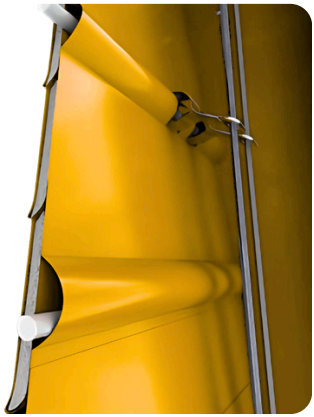
Opening Devices



GLAXTIC® Cold room Standard Kit



Curtain and Insulation



The triple-insulated curtain is engineered to reduce cooling losses in deep-freeze environments, ensuring the preservation of the cold chain. Constructed from SIOEN 100% high-tenacity pre-strained polyester canvas with a 0.8 mm PVC coating, it is further enhanced by 10 mm polyethylene foam (PE) insulation. The total curtain thickness is 11.60 mm, providing superior thermal efficiency.

(SIOEN) Colour Options:

Standard available RAL colours

RAL 1018 | RAL 3028 | RAL 5010 | RAL 7038 | RAL 9005

Other colours available upon request

***Subject to suppliers stock, RAL colours may vary slightly.**

Specification of SIOEN curtain

SIOEN COATING
Branch of Sioen Industries

B6701

Fabric		100% PES 1100 dtex	
Weight		1700g/m²	DIN EN ISO 2286-2
Characteristics			
Lacquering		1/1	
Embossing		Glossy	
Breaking strength	Warp Weft	4000 N/5cm 4000 N/5cm	EN ISO 1421-1
Tear strength	Warp Weft	600 N 600 N	DIN 53 363
Adhesion		100 N/5cm	EN ISO 2411
Surface resistivity		<5x10E9 0hm	DIN 54345 T1
Temperature resistance		-30/+70°C	DIN EN 1876-2
Light fastness	(except white and (half-) transparent)	7-8	ISO 105 B02
Fire behavior		<100 mm/min	ISO 3795
Application		doors	

S=STANDARD - NS=This is not a standard product. Only on request. Minimum 1.000LM

Specification of Insulation

Polyethylene Foam Insulation

Description	Specifications and Test Results	Standards
Material for Thermal Insulation	Polyethylene Foam Insulation	
Cell Structure	100% closed cells	
Density	35 - 45 kg/m³	ISO 845
Fire Resistance	Non-flammable	
PE 10mm - Thermal Conductivity, k-Value	0.029 W/m·K	ASTM C 177
Water Absorption (96 Hrs)	0.00029 g/cm²	JIS K 6767
Flame Retardant Property	HF-2	UL 94
Dimensional Stability (70°C, 22 Hrs)	± 0.5%	TISI 1384-2539
Chemical Resistance	No change	ASTM D 1308
Environmental Safety	Environmentally friendly	
Cracking Resistance	No cracking	ASTM D 1149
Compression Strength	0.30 - 0.40 kgf/cm²	ASTM D 642
Tensile Strength	2.0 - 3.5 kgf/cm²	ASTM D 886
UV Resistance	Good	
Operating Temperature Range	-85°C to 85°C	
Service Life	10 years	
Surface Material (Top)	Aluminum foil	
Surface Material (Bottom)	Metallized foil	
Thermal Resistance - R-value (h·ft²/BTU)	1.96 h·ft²/BTU	

69/60 Moo 6, Soi kingkeaw 54,
Kingkeaw Road, Rachadhava,
Bangplee Samutprakarn 10540

sale@goldvestthai.com
66 (0) 2738-4939
www.goldvestthai.com

GOLDVEST TRADING
(THAILAND) CO., LTD