

成为全球最具竞争力的一站式冷链集成服务商！
Become the most competitive one-stop cold chain integration supplier in the world!



专业一站式冷链集成服务商
PROFESSIONAL ONE-STOP COLD CHAIN INTEGRATION SUPPLIER



专业一站式冷链集成服务商

PROFESSIONAL ONE-STOP COLD CHAIN INTEGRATION SUPPLIER

As a company of "KENDALL- WE MAKE SURE YOU ARE COOL". We are a manufacturer of refrigeration condensing units, industrial chillers, cold panels, cold room doors, etc.. We can provide a TURNKEY SOLUTION for your cold storage, refrigeration installation, and energy-saving equipment retrofit projects. It has about 30 years of experience in the refrigeration industry and is a pioneer and leader in China's refrigeration industry.

- Free Consultation
- Design & Planning
- Manufacturing/Supply
- Installation
- Service / Repair

Our OEM status allows us to provide the very best in competitive pricing. We are a licensed general contractor and have a licensed architect on staff; therefore, we can help you build from the ground up. Our highly trained personnel set us apart, offering the very best craftsmanship and personal service that our customers greatly appreciate. We will provide the very best in long term solutions and success with your projects.

KENDALL serves all commercial/industrial sectors that require low-temperature building applications. At present, the company has obtained 25 national invention patents and 73 utility model patents. We have built and supported more than 1500 cold storage projects all over the world. Kendall is a strategic cooperation unit of the "China-ASEAN Business Council," a technical support unit of the "Quality Surveillance and Testing Center for Cold Storage Equipment of the Ministry of Agriculture," and the achievement transformation and internship base of 20 mainland universities.

Contents

01 公司简介
Company profile

03 冷库
Cold room

08 聚氨酯冷库板
PU panel

11 冷库门
Cold room door

17 工业门
Industrial door

21 展会
Exhibition



THE GROUP'S BUSINESS COVERS

Cold Storage Engineering – One-Stop Solution
Relying on decades of successful experience in the refrigeration and food industries, we consider the integrated design of cold storage structure, base processing, heat insulation, automatic control system and data management system as a whole to design and build ultra-energy-saving automated cold storages for clients according to local conditions. With a complete project team for planning, design, equipment, technology, piping, structure, construction, HVAC, etc. and cumulative experiences from thousands of cold storage projects, we are able to undertake cold storage projects with different requirements and scales.

Refrigeration Equipment – Integrated

Main products include: box-type condensing units, open-type condensing units, water-cooled condensing units, parallel units, water chiller units, barrel pump units, etc. Our products are used by domestic and foreign large and medium-sized food, refrigeration/freezing, cold chain logistics, chemical, pharmaceutical, hotel, electronics, supermarket and other businesses. Kendall provides complete equipment design, production, installation and commissioning, technical solutions and after-sales services to customers according to their different needs.

Cold Room Parts and Accessories:

- Insulation Panels
- Steel Structures
- Cold Room Doors
- Floor Insulation
- Roof Cover
- Racking System
- Windows
- Lighting Fixtures
- Other Cold Room Accessories



冷库

COLD ROOM



冷库板
PU Panel



冷库门
Cold room door



制冷机组
Refrigeration unit



冷风机
Air cooler

常用冷库分类 Types of cold room

冷库部件品牌 Brands of cold room parts

冷库类型 Type / Tipo	详情 Description / Descrição	温度 Temperature / Temperatura
常规冷库 Common cold room Camara frigorífica normal	蔬果保鲜库 Cold room for vegetables and fruits Armazenamento frigorífico para legumes e frutos	0~+5°C
	肉类冷藏库 Cold room for meat Camara frigorífica para carne	-15~-18°C
	低温冷冻库 Freezer Camara de congelação	-20~-25°C
	双温冷库 Cold room with two temperature controllers Camara frigorífica com dois controladores de temperature	0~+5°C -18°C
速冻冷库 Quick freezer Congelação Rápido		-25~-35°C
移动冷库 Mobile cold room Camara frigorífica móvel	通过滚轮移动 Move by wheels Por roda	-35~+5°C
	通过卡车移动 Move by truck Por camião	

品名 Item / Nome	可选品牌 Optional brands / Marcas electivas				
冷库板&冷库门 Cold room panel&door Chapa e porta					
压缩机 Compressor unit Compressor frigorífico					
	德国比泽尔 Germany BITZER Alemanha BITZER	美国爱默生 American EMERSON Americano EMERSON	格力 Chinese GREE Chinês GREE	汉钟 Chinese HANBELL Chinês HANBELL	复盛 Chinese FUSHENG Chinês FUSHENG
冷风机 Air cooler Maquina de ar					
	康达托 Italian LUVE Italiano LUVE	美国西克 American BOHN Americano BOHN	格力 Chinese GREE Chinês GREE	高翔 Chinese GAOXIANG Chinês GAOXIANG	
控制器 Controller Controlador					
	意大利小精灵 Italian DIXELL Italiano DIXELL	精创 Chinese ELITECH Chinês ELITECH			
阀件 Valves Peças de Valvula					
	丹麦丹佛斯 Danish DANFOSS Dinamarquês DANFOSS	意大利卡斯特 Italian CASTEL Mármore CASTEL	法斯克 Chinese FASIKE Chinês FASIKE		



工程案例 Cases



聚氨酯保温库板

POLYURETHANE(PU) INSULATION PANEL



PU PANEL

■ 库板分类 Types of PU panel



搭钩式冷库板
Cam-lock type PU panel

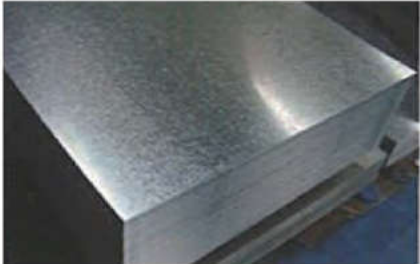
搭钩式冷库板通过偏心钩锁紧连接完成冷库墙板、顶板和底板的拼接，具有安装方便，阻燃性能好，抗压强度高，隔热密封性能佳等优点。挂钩式冷库板使用温度可在-50℃~+100℃，不易腐烂。
Cam-lock type PU panel is connected by cam-lock, it is easy to install, and has advantages of fire resistance, high compressive strength, good sealing, and etc. It is suit for temperature of -50°C to +100°C, and nonperishable.



插接式冷库板
Plug-in type PU panel

插接式冷库板采用凹凸槽设计，由自动连续线生产，产量高，是大型工程冷库的最佳选择，芯材密度可达45kg/m³。
Plug-in type PU panel is connected by concave groove and raised groove, it is produced by automatic continuous line equipment, and it takes short production phase, so it is a good choice for big project. The density of plug-in type PU panel can reach 45kg/m³.

■ 面板材质 Panel material



镀锌彩钢板
PPGI/Color steel

可选厚度Optional thickness:0.3mm~0.8mm



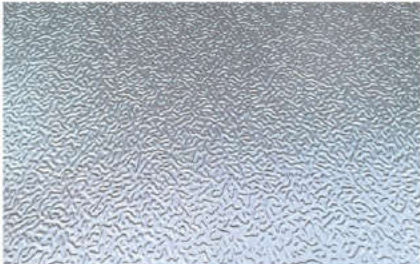
不锈钢板
Stainless steel

可选厚度Optional thickness:0.5mm~3.0mm



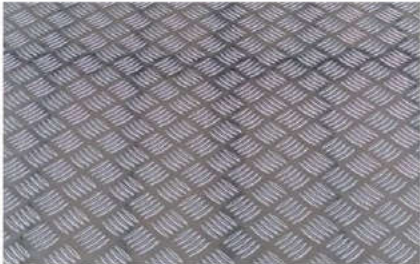
压花不锈钢板
Embossed stainless steel

可选厚度Optional thickness:1mm~3mm



压花铝板
Embossed aluminum

可选厚度Optional thickness:2mm~3mm



防滑铝板
Non-slip aluminum

可选厚度Optional thickness:2mm~4mm



盐化钢板
Salinization steel

—

聚氨酯保温板参数
Parameters of polyurethane insulation panel

类型 Type	库板密度 Density	库板宽度 Width	阻燃等级 Fire resistance grade
PUR	42±2 kg/m³	960/1000mm	B2 / B3
PIR	45±2 kg/m³	925/1000/1125mm	B1 / B2
库板厚度Thickness		50/75/100/120/150/180/200mm	
面板压筋 Reinforcement of surface metal		细筋Small ribbing 宽筋Wide ribbing 压花Embossed 平板Flat	
导热系数 Thermal conductivity	≤0.024W/(m.K)	抗压强度 Compressive strength	≥160kpa
抗弯能力 Bending resistance	≤8.8mm	粘结强度 Bonding strength	>0.1Mpa





铰链门 Hinged door

- ▶ 半埋门 Half buried door
- ▶ 全埋门 All buried door

平移门 Sliding door

- ▶ 手动平移门 Manual sliding door
- ▶ 电动平移门 Electric sliding door

铰链门 Hinged door

铰链门是采用塑料型材与金属面板组合成外壳,内部高密度阻燃环保型聚氨酯发泡成型,密封隔热效果优越,安装方便,适用于中小型冷库。根据冷库情况,可选择半埋门和全埋门,尺寸也可根据客户需求定制。

Hinged door is made by plastic material and surface metal, with environmental PU of high density and fire resistance foaming inside, it has good sealing, and easy to install, so it is usually used for small cold room. Customers can choose hinged door of half buried or all buried depending on the situation of cold room, and also can choose different sizes.

■ 半埋门 Half buried door



单开半埋门
Single-open half buried door



双开半埋门
Double-open half buried door

■ 全埋门 All buried door

单开全埋门
Single-open all buried door双开全埋门
Double-open all buried door全埋回归门
Returning door

■ 特殊型铰链门 Special hinged door

多开门
Multi hinged door改造门
Reforming door自由门
Free door

铰链门参数 Parameters of hinged door

适用温度 Temperature of cold room	-45℃~+50℃
应用行业 Applicable industry	零售、仓储、食品、医药等 Retailing, storage, food, medical industry, etc.
门板材质 Surface metal of door panel	彩钢板、不锈钢板等 PPGI/Color steel, Stainless steel, etc.
内部材质 Inside material	高密度阻燃环保型聚氨酯 Environmental PU with high density and fire resistance
门板厚度 Thickness of door panel	100mm, 150mm
门洞尺寸 Size of door opening	根据客户需求定制 Customized
开门方式 Way of opening	左开、右开、双开 Left-open, right-open, double-open
脱险锁 Safety lock	用于冷库室内逃生 For escape from cold room
密封条 Sealing strip	柔韧塑料内置磁性条, 密封性好 Magnetic strips inside soft plastic for good sealing
电加热丝 Electric heating wire	用于低温库防止结霜 For preventing frosting of low temperature cold room
观察窗 Observation window	用于观察冷库内环境及货物储存情况 (可选) For observing situation inside cold room (Optional)

■ 配件 Fittings of door



铰链 Hinge



门锁 Lock



逃生锁 Safety lock

平移门Sliding door

平移门可分为手动平移门和电动平移门,密封隔热效果优越,使用寿命长,设有库内脱险逃生装置,安全方便,适用于中大型的保鲜库、冷冻库与速冻库。

There are two types of sliding door, manual sliding door and electric sliding door. It has good sealing, and long life span, usually used for medium to large size of cold room, and there is safety lock on it for escaping from inside.

■ 手动平移门Manual sliding door



手动单开平移门
Single-open manual sliding door



手动双开平移门
Double-open manual sliding door

■ 电动平移门Electric sliding door



电动单开平移门
Single-open electric sliding door



电动双开平移门
Double-open electric sliding door

平移门参数 Parameters of sliding door

适用温度 Temperature of cold room	-45℃~+50℃
应用行业 Applicable industry	零售、仓储、食品、医药等 Retailing, storage, food, medical industry, etc.
门板材质 Surface metal of door panel	彩钢板、不锈钢板等 PPGI/Color steel, Stainless steel, etc.
内部材质 Inside material	高密度阻燃环保型聚氨酯 Environmental PU with high density and fire resistance
门板厚度 Thickness of door panel	100mm, 150mm
门洞尺寸 Size of door opening	根据客户需求定制 Customized
驱动方式 Way of control	手动、电动 Manual or electric
开门方式 Way of opening	左开、右开、双开 Left-open, right-open, double-open
脱险锁 Safety lock	用于冷库室内逃生 For escape from cold room
密封条 Sealing strip	柔韧塑料内置磁性条,密封性好 Magnetic strips inside soft plastic for good sealing
电加热丝 Electric heating wire	用于低温库防止结霜 For preventing frosting of low temperature cold room
观察窗 Observation window	用于观察冷库内环境及货物储存情况(可选) For observing situation inside cold room (Optional)

特殊型库门Special door



气调门
Air-conditioned door



展示柜玻璃门
Glass door for Display Cabinet



实验室门
Testing room door



工业门系列 SERIES OF INDUSTRIAL DOOR

- » 快速卷帘门Fast rolling door
- » 工业滑升门Industrial sliding door

快速卷帘门Fast rolling door



组件 Component	配件参数 Parameter
门体框架 Door frame	镀锌钢板外部静电喷塑Galvanized steel with external electrostatic spraying 1.2mm厚Thickness=1.2mm 可选配铝合金或不锈钢Aluminum alloy and stainless steel (Optional) 双排毛刷密封Seal with brush in double row 定制颜色Customized color
门帘材质 Material of curtain	高强度聚酯纤维耐磨基布High strength and wearproof polyester fabric 0.8-1.2mm厚Thickness=0.8-1.2mm 阻燃等级为Class 2 Flame retardant grade is Class 2 双面自洁Self-cleaning on both sides
控制系统 Control system	FROG PUPIL(德国菲瑞普)集成式高智能控制系统 German FROG PUPIL high intelligent integrated control system
制作规格 Size	W=600mm-4500mm, H=900mm-5000mm 抗风性能5-8级(定制)Anti-wind capability level 5 to 8(Optional)
安全性能 Safety performance	标配红外安全光电Safety infrared photoelectric(Standard) 选配底部安全气囊, 安全光幕 Safety airbag and safety light screen at the bottom(Optional) 工作温度-40°C-80°C Suitable temperature-40°C-80°C
手动电动 Way of controlling	可选配应急储备电源Emergency power (Optional) 停电时扳手可开门Open the door with spanner in case of power failure

工业滑升门 Industrial sliding door

工业滑升门门板选用0.5mm厚彩涂钢板, 前后两面的钢板的边缘成型后非直接接触, 有效的避免了冷桥效应, 防止门板被冻结, 保温节能效果更加凸显。内部填充采用保温隔热性能优良的高密度聚氨酯发泡材料(发泡密度43kg/m³, 为国内工业门市场最高密度标准, 表面彩涂处理), 门板间、侧部、底部和顶部密封条有效阻止了空气和雨水的渗透, 以及门板的非接触设计有效防止了温度的内外传递, 低耗能低碳。工业滑升门采用安全设计并经过严格测试, 具有扭簧防断裂装置, 钢丝绳内置, 钢丝绳防断装置, 底边保护等多重安全特性, 有效提升操作人员的安全保护。所有安全装置均配有欧标认证及法国CSTP实验室检验报告。

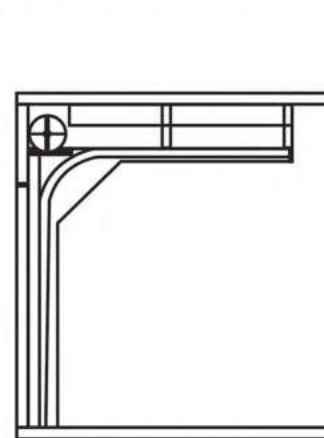
The thickness of our industrial sliding door panel is 0.5mm color steel, and the edge side of color steel cannot directly contact each other after forming, it can effectively prevent door panel frozen by the result of the cold bridge. Then it can be better in insulation and energy saving. We use high quality PU foaming between color steel, the density is 43kg/m³, highest standard in Chinese industry now. Sealing strips around the door panel effectively prevent air and rain penetration, as well as the non-contact design effectively prevent the internal and external transmission of temperature. Our industrial sliding door has safety device with European standard certification and French CSTP test report. Safety device contains: NFMG spring, inner steel wire rope, steel wire anti-fracture device, bottom protection and etc. They effectively protect the safety of operation staff.



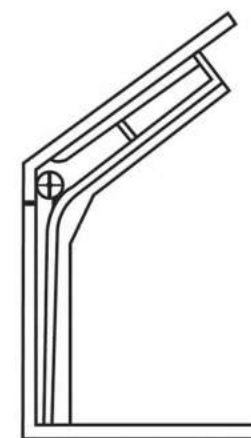
参数 Parameters

门板厚度 Thickness of door panel	40mm
面板厚度 Thickness of color steel	0.5mm
发泡密度 Density	43kg/m ³
导热系数 Thermal conductivity	0.38W/M°C
隔音性 Sound insulation performance	24dB
抗风压 Anti-wind capability	3级 (En13241-1欧标)(按国家标准为抗11级风) Level 3 of European standard En13241-1 (Level 11 of Chinese standard)
水密性 Water tightness	30Pa

提升方式 Ways of lifting



普通提升



普通斜向提升



垂直提升

可选颜色 Optional color

RAL9003
白色
WhiteRAL8014
棕色
BrownRAL5005
蓝色
BlueRAL3000
红色
RedRAL9006
银色
SilveryRAL1000
米色
BeigeRAL7004
灰色
Gray

装卸货系统 Loading and unloading system

装卸平台
Loading and unloading platform工业门封
Industrial door seal