



DOUBLE WINGS HINGED LEAF COLD ROOM DOOR

It is used in cold and frozen storage rooms. It is a exclusive product. It is used in rooms that require sliding door application but do not have enough space. It can be produced in various sizes.

GENERAL FEATURES

- Manufacturing processes are being done accordance European union standards. It does not contain organic products that will cause any bacteria formation.
- Cleaning equipment or cleaning chemicals doesn't deform or damage any material.
- 4 different frame options as ALUMINUM, PVC, POLY, and CR-NI frames.
- Door frames could be mounted every panel or wall that has different sizes.
- For sliding doors 5mm thick, and 3-5 mm thick support sheets are used for hinged door.
- There is a resistance in the inner frame of the freezer rooms and it can be easily changed in case of a possible malfunction.
- Our door leaf thicknesses are produced as 68 mm, 92 mm and 120mm according to the temperature value to be protected.

- Our door wings are filled with polyurethane foam with a density of 42 (± 2) kg/m³.
- In standard production, both sides are PVC sheet (optionally made in different colors and patterns), paint (in the desired RAL code) or A 304 quality stainless steel sheet (between 0.5 mm and 1.2 mm).
- Can be manufactured with or without windows accordingly your demands.
- Hanger hardware; Rail, spool, handles and the necessary accessories are of composite material and stainless steel.
- Special gasket are being used for cold storage doors on every corner.
- Additional sliding lock (inside emergency handle) or automatic locking system could be installed.
- In order to protect the door surfaces from impacts to ensure, polyethylene or stainless impact pads can be added to the inner and outer surfaces.

PRODUCT FEATURES

FEATURES	VALUES
Door Wing	40(+/- 2) density polyurethane was injected between two sheets without using any wood material.
Door Thickness	For cold room 68 mm, for freezer room 92 mm'dir.
Door Lock	It is imported, has the feature of opening from the inside when locked and the anti-panic arm is phosphorescent.
Door Hinge	Upgradeable and adjustable
Surface Sheets	Both sides of the standard manufacturing surface are PVC sheet. Optionally, it can be polyester painted sheet or CrNi.
Door Frame	For industrial panel rooms, one wall of the room is produced as a special door frame. Since the door wing is mounted on this panel, there is no additional mounting problem. Special PVC outer and aluminum inner cases are used for the rooms without panels. Since the sash is mounted on the frame, it is very easy to apply.
Heat Transfer	Sealing is provided with a special rubber gasket surrounding the door. Resistance cable is used to prevent sticking, at the freezed keeping room doors case and it does not require a transformer as it has a resistance diode.
Dimensions	It is possible to produce in desired dimensions up to 100x200 cm net passage.

MECHANICAL PROPERTIES

ÖZELLİKLER	DEĞERLER
Yield Strength of Sheet Surface (fct)	min. 220N/mm ²
Tensile Strength of Panel	min. 0,018 Mpa
High Temperature Transverse Tensile Modules	min. 0,04 MPa
Core Material Shear Strength (fcv)	min. 0,11 Mpa
Core Material Shear Modulus (G)	min. 2 Mpa
Core Material Compressive Strength ($\sigma 10$)	min. 0,09 Mpa
Bending Moment Capacity and Rigidity – Flat (Mu)	min. 2,3 kNm/m
Bending Moment Capacity and Rigidity – Reverse (Mu)	min. 2 kNm/m
Torsional Stress Straight (σw)	115 Mpa
Torsional Stress Reverse (σw)	100 Mpa
Bending Moment Capacity on a Central Support – Straight	2,95 kNm/m
Bending Moment Capacity on a Central Support – Inverse	3 kNm/m
Torsional Stress Capacity on a Central Support – Straight	133 Mpa
Torsional Stress Capacity on a Central Support – Reverse	118 Mpa
PUR Thermal Conductivity Value ()	max. 0,022 W/mK
Dimensional Stability	Level DS(TH) 11
Inflammability Class (TS-EN 13501-1)	C-s2,d0

DIMENSIONAL TOLERANCES

ÖZELLİKLER	DEĞERLER
Thickness	$\pm 1/4$
Length	± 10 mm
Width	± 2 mm
Deviation from Miter	± 5 mm



Density



Fire Resistant



Heat Insulation



Water Moisture Resistant



Soundproofing



Soundproofing