

SL Doors

The Danica Corporation designs and manufactures Clean Room Doors to meet the most stringent requirement for cGMP Compliance, Quality Standards, design flexibility and long term operational reliability.

Danica offers the largest selection of Custom and Standard Clean Room Doors available in the North America Market and has a reputation of providing doors to the industry for over 35 years. Danica manufactures over 13,000 doors annually.

The Clean Room Doors comply with the following Cleanliness Classifications: cGMP, FDA, E161, NOM059, ANVISA. Danica has the expertise to custom engineer and manufacture doors that meet the clients requirements for style, size and materials of construction.

GLASS, STAINLESS STEEL AND GALVALUME STEEL DOOR LINE: EC, EC2, CM

Door Material Options

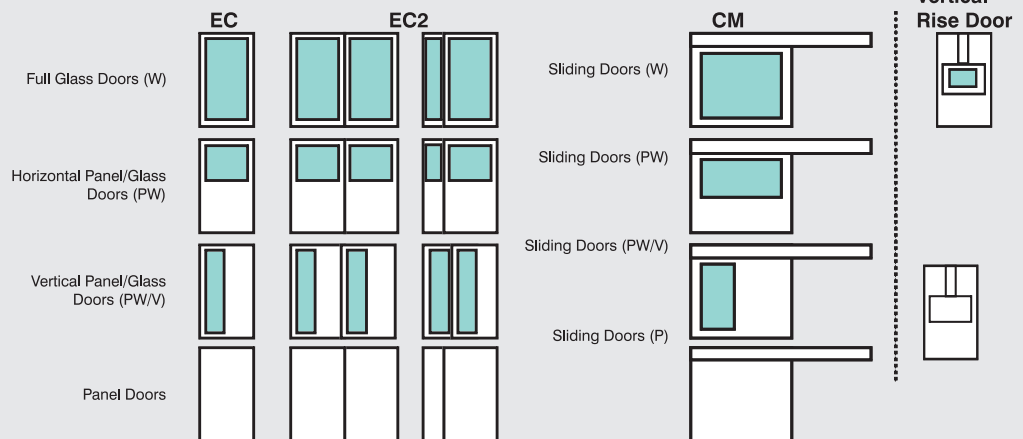
Danica is capable of designing and manufacturing Clean Room Doors in a wide range of materials and finishes to meet the client's requirements. The Door Frames, Trims and Leafs can be manufactured in the following types of material:

- Stainless Steel 304 or 316
- Galvalume Steel with Aluminum & Zinc Protective Coating
- Aluminum
- Glass (Leafs)
- Others upon inquiry

Door Hardware

Danica can equip the doors with a wide range of door hardware options from manufactures that sell and service the US market. Danica can also equip any Door with hardware specified by the client.

Door Styles (all available in any dimension)



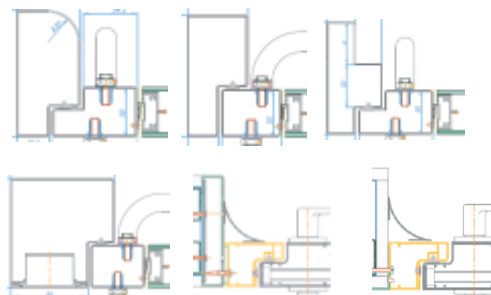
DOUBLE INSULATED GLASS OPTIONS (All glass is flush with door surface and completely sealed)

- Laminated
- Tempered
- Crystal
- Other options upon inquiry

Door Frame Options

The door frames installed with the Danica Clean Room wall panels are flush with the wall panel surface to ensure a smooth finish.

Danica offers a variety of door frames to accommodate a flush transition between the door frame and the client's finished wall surface. Each frame engineered and custom made to comply with the design requirements for the wall system being installed.



Header/Rail and Side Frame Details

- The Header is constructed in 12 gauge 304 #4 stainless steel header with a 3/16" stainless steel rail assembly
- The Rail is constructed in 1/4" thick stainless steel
- The complete header and rail are enclosed within a 16 gauge, 304 #4 stainless steel sloped shroud cover
- The side frames are covered with a 16 gauge, 304 #4 stainless steel cover
- The Header/Rail and Side Frame can also be constructed in 316 stainless steel



Door Material Details

304 AND 316 STAINLESS STEEL OPTION

- Stainless Steel is highly resistant to corrosion and provides a smooth and non-porous surface (similar to glass) that is easy to clean. Stainless Steel is an excellent material for application that require a minimal risk to contamination in an aseptic, hygienic environment
- Complies with norm ASTM 480/A480M-03C

GALVALUME STEEL OPTION

- The Galvalume Steel provides a durable, smooth surface that can vary in thickness and contains a protective layer comprised of 55% aluminum, 43.5% Zinc and 1.5% Silicon. The final surface has an electrostatic pre painted finish in standard white or any other color selected by the client
- BPP CSN 028 in conformity with ASTM A792 CSA, AZM150
 - Coating in conformity with AZM150 (Construction Standard)

SILICONE (DOW CORNING SEALING SILICONE)

- Cured sealing to form a smooth finish
- Remains permanently flexible without shrinking, cracking or peeling
- Resistant to blemish and color changes
- Humidity resistant
- Dow Corning Sealing Silicon is in conformity with
- ASTM C 920 Tipo S, Grau NS, Class 25, 1 Use NT, when tested in glass and aluminum
- CGSB 19-GP-22M (Canada)
- National Sanitation Foundation Standard 51

TEMPERED GLASS

- Colorless 6mm tempered safety glass in conformity with ANSI Z97.1 – 2004 standard, fixed with double-sided high resistance self adhesive tape (3MTM VHB™ Structural Glazing Tape 4972) in special molding in anodized aluminum and sealed with acetic white silicon. On the inside of the window, Nitrogen (N₂) is applied to draw out the air, and to keep it humidity free, silica gel is applied inside the structural molding
- 3MTM VHB™ Structural Glazing Tape 4972
- Adhesive: High Performance Acrylic
- Adhesive Carrier: Conformable Acrylic Closed Cell Foam
- Tolerance: ± 10%; Density: 720 kg/m³ (45 lb./ft.³)
- Tape Color: Grey (G)

ROCKWOOL INSULATION

- Environmentally Friendly
- High Resistance to fire and low absorption of moisture
- Apparent specific mass (MEA from 4,99 lb/ft³) (80kg/m³)

INSULATION OPTIONS:

- Double glass
- PUR Ecomate
- PIR
- PUR
- Rockwool

Standard Hardware:



HANDLE OPTIONS

(Stainless Steel or Aluminum):



- No visible: Others upon inquiry



Integrated stainless steel hinges within the door leaf to ensure maximum cleanliness



Two-piece stainless steel hinges to minimize the joint



Double rubber retractable seal at the bottom of the door is adjustable to allow airflow across the bottom of the door for balancing purposes



Only company in the segment with products that are approved in Class 1 by the American insurance company Factory Mutual.



- Technical Design Assistance
- Certified Installers
- After Sales and Service

Danica Panels are ASTM E-84 Tested and rated as Class 1 Building Materials.



The solution in thermal insulating systems.
Clean Room Division

www.danicacorporation.com