



PRODUCT: Hinged Doors

Hygienic Door Solutions

**HYGIDOOR Hygienic Door solutions - Hinged Doors**



**PRODUCT**

HYGIDOOR Hygienic door solutions are a revolutionary way to incorporate Crane Composites Glasbord with Surfaseal with custom made doors to provide a unique durable solution.

**SURFASEAL® FINISH**

Surfaseal® Is a unique surface treatment that, when compared to ordinary FRP, exhibits up to 10 times cleanability, 6 times the stain resistance and 2 times the abrasion resistance.

**PURPOSE**

HYGIDOOR Hinged Doors with Surfaseal® are designed for interior door applications where a sanitary easy to clean door is desired.

\* ADDITIONAL COLORS ARE AVAILABLE BY QUOTATION

Design Properties							
FRP SURFACE Details	FRP SURFACE COLOR	Type of Hinged door	Door Core Materials	Size available	Door Leaf Thickness	Door Leaf Material	Framed Opening
1.90mm Smooth 2.30mm Embossed  Installed on both sides of door	White*	Offset Flush door	QuadCore PIR PUR	80x180cm 90x190cm <b>Custom Sizes available</b>	100mm	PVC	PVC Framed Opening (adjustable wall frame thickness)

Property	Value
Operating temperature range	-40°C ~ +60°C
Internal handle	Emergency Release handle PVC
External handle	Reinforced PVC lever handle with lock
Perimeter Gasket (excluding floor)	EPDM / PVC
Threshold Gasket (floor)	PVC
Perimeter Heater	30 w/m
Door Closer	Spring loaded / hydraulic automatic door closer
Limit Switch	Automatic fan stop + light on switch, buzzer optional
Pressure Relief valve	10cm with built in heater
Hinges	Reinforced PVC with Stainless steel pins with max opening of 180 degrees
Entrance Step	Dependant on site, can be installed prior to floor, heater can be included
Entrance heater	Floor mattress heater (used in concrete floors)

FRP Details	Value 1.90mm Smooth	Value 2.3mm Embossed	Test Method
Flexural Strength Surface [ MPa ]	97	56	ASTM - D790
Flexural Modulus Surface [ MPa ]	5171	3034	ASTM - D790
Tensile Strength Surface [ MPa ]	48	33	ASTM - D638
Tensile Modulus Surface [ MPa ]	6895	4137	ASTM - D638
Barcol Hardness Surface	45	27	ASTM - D2583
IZOD Impact Surface [ J-mm ]	0.69	0.59	ASTM - D256
Gardner impact Strength Surface [ J ]	3.1	3.4	ASTM - D5420
Surface Burning characteristics	Class C (Class A, Class FM also Available)	Class C (Class A, Class FM also Available)	
Taber Abrasion resistance Surface [% max Wt. Loss]	0.038	0.01	Taber Test

#### STORAGE REQUIREMENTS

HYGIDOOR should be stored indoors, panels should be stacked flat and not in direct contact with the floor.

#### CLEANABILITY TESTING

If Glasbord® Panel with Surfaseal® are heavily soiled, the Glasbord® Panel exhibits up to 10 times more cleanability per MacBeth computer Colorimeter.

Stain resistance test: prolonged direct contact to concentrated ammonia based cleaner exhibited no color change per Macbeth Color Colorimeter.

#### LIMITATIONS

Near heat source: HYGIMAT will discolor / debond when installed behind or near any heat source such as cookers, ovens and deep fryers. Do not install near a heat source.

HYGIDOOR thickness Tolerance	
Nominal thickness	Tolerance
<=100mm	+/-5mm
Panel Tolerance	
Nominal	Tolerance
Width	+/- 5mm
Length	+/-5mm

Certification and Compliance	
USDA/FSIS	Surface meets USDA/FSIS requirements
ASTM - D3273 and ASTM - D3274	Surface does not support mold or mildew
ASTM - E84	Surface meets minimum requirements of major model building codes for Class C interior wall and ceiling finishes of smoke developed <=450 AS per ASTM - E84
HACCP Certified	Glasbord® Panels are suitable for use in food and beverage facilities that operate in accordance with a HACCP based food safety program.*
Greenguard	Surface has earned Greenguard indoor air quality certification Certificate #15955-410

\*Orientation of embossed panels must be installed/ run vertically for any areas that require a sanitary finish under HACCP certification.

