HYGIBREAK

1.9mm Smooth Surface with 20mm PIR backing

PRODUCT CODE: 040010C19SM0104SQM

CLASS C Fire rated Glasbord® Panel with Surfaseal®

PRODUCT

Hygibreak self adhesive Glasbord® Panel with Surfaseal®. Hygibreak® is a durable, building material and will not mold, mildew, rot or corrode. The surface exhibits excellent resistance to mild chemicals and moisture.

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

Hygibreak® Glasbord® Panel with Surfaseal® are designed for interior wall finishes where a sanitary easy to clean panel is desired.

DESIGN PROPERTIES

PRODUCT CODE	NOMINAL THICKNESS	SURFACE FINISH	SURFACE COLOR	AVAILABLE WIDTHS
040010C19SM0104SQM	21.9mm	SMOOTH	white,gray*	1.20m width**

* ADDITIONAL COLORS ARE AVAILABLE BY QUOTATION
**SHEETS CAN BE CUT TO SIZE AS PER REQUIREMENT

Property	Value	Test Method
Backing density	42-44kg/m^3 (foam core only)	
Operating temperature range	-5C ~ +55°C	
Flexural Strength Surface	97 MPa	ASTM - D790
Flexural Modulus Surface	5171 MPa	ASTM - D790
Tensile Strength Surface	48 MPa	ASTM - D638
Tensile Modulus Surface	6895 MPa	ASTM - D638
Barcol Hardness Surface	45	ASTM - D2583
IZOD Impact Surface	0.69 J/mm	ASTM - D256

Property	Value	Test Method
Gardner impact Strength Surface	3.1 J	ASTM - D5420
Surface Burning characteristics	CLASS C	ASTM - E84
Taber Abrasion resistance Surface	0.038% max Wt. Loss	Taber Test

Composite thickness Tolerance	
Nominal thickness	Tolerance
5mm	-0.5mm / +1.5mm
Backing density Tolerance	
Nominal Density	Tolerance
42-44kg / m^3	+-10%
Sheet width Tolerance	
Nominal Width	Tolerance
As Specified Previously	+-3.2mm

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 maodel 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 embosssed panels must be installed/ run vertically for any areas that require a sanitary finish under HACCP certification.

Surface Applications	
Surface	**Can be used?**
Standard unpainted drywall	YES
Painted walls (if paint is well anchored)	YES
Fiberglass faced, and/ or mold /moisture resistant faced drywall Standard unpainted plywood	YES
Treated plywood	YES
Sandwich Panels	YES
Ceramic tile	YES
Stainless steel	YES
Aluminium	YES
Galvanized metal	YES
Cement board	YES
Cement board above grade or inside wall	YES

STORAGE REQUIREMENTS
Hygibreak should be stored indoors, sheets should be stacked flat and not in direct contact with the floor.

CLEANABILITY TESTING
When Hygibreak 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: Hygibreak 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.
Uneven surface: installation over uneven concrete block walls may result in areas of delamination / buldging.