



1.9mm Smooth Surface with 1.5mm Thermobreak® adhesive backing

PRODUCT CODE: 040010C19SM0106SQM

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 |
|--------------------|-------------------|----------------|---------------|------------------|
| 040010C19SM0106SQM | 3.4mm | SMOOTH | White* | 1.20m width** |

* ADDITIONAL COLORS ARE AVAILABLE BY QUOTATION

**SHEETS CAN BE CUT TO SIZE AS PER REQUIREMENT

| Property | Value | Test Method |
|-----------------------------|--------------------------------------|--------------|
| Backing density | 67kg/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 | 4826 MPa | ASTM - D638 |
| Barcol Hardness Surface | 45 | ASTM - D2583 |
| IZOD Impact Surface | 0.21 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 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.

| 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 / bulging.