

HYGIMAT

PRODUCT CODE: 043001GB9.50C19SM0106CEIL

Hygienic Ceiling Tiles with Gypsum Board Backing

HYGIMAT hygienic laminated Ceiling Tiles

PRODUCT

Hygimat Gypsum Board Ceiling Tiles laminated with Glasbord with Surfaseal Surface for the highest levels of hygiene.



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

HYGIMAT laminated Ceiling tiles with Surfaseal® are designed for interior ceiling finishes where a sanitary easy to clean tile is desired.

* ADDITIONAL COLORS ARE AVAILABLE BY QUOTATION.

Design Properties

| FRP SURFACE Details | FRP SURFACE COLOR | Backing Material | Size available | Panel Weight kg/m ² | Total laminated Panel thickness |
|-----------------------|-------------------|--------------------|----------------------------------|--------------------------------|---------------------------------|
| 1.90mm Smooth CLASS C | White* | 9.5mm Gypsum Board | 595mmx595mm, can be custom sized | 9.7 kg/m ² | 11mm-12.5mm |

| Property | Value |
|-----------------------------|--|
| Operating temperature range | +5°C ~ +40°C |
| Edge Finish | Square Edge (to be used in T suspension systems) |

| FRP Details | Value | Test Method |
|-----------------------------------|--------|--------------|
| Flexural Strength Surface [MPa] | 122 | ASTM - D790 |
| Flexural Modulus Surface [MPa] | 8363 | ASTM - D790 |
| Tensile Strength Surface [MPa] | 48 | ASTM - D638 |
| Tensile Modulus Surface [MPa] | 10,342 | ASTM - D638 |
| Barcol Hardness Surface | 45 | ASTM - D2583 |
| IZOD Impact Surface [J-mm] | 0.75 | ASTM - D256 |

| FRP Details | Value | Test Method |
|--|---------|--------------|
| Gardner impact Strength Surface [J] | 4.5 | ASTM - D5420 |
| Surface Burning characteristics | CLASS C | ASTM - E84 |
| Taber Abrasion resistance Surface [% max Wt. Loss] | 0.038 | Taber Test |

STORAGE REQUIREMENTS

HYGIMAT 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.

| HYGIMAT thickness Tolerance | |
|-----------------------------|-----------|
| Nominal thickness | Tolerance |
| <=100mm | +/-2mm |
| 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.

