HYGIMAT

Hygienic Ceiling Tiles with Cement Board Backing

HYGIMAT hygienic laminated Ceiling Tiles

PRODUCT

Hygimat Cement Board Ceiling Tiles laminated with Glasbord with Surfaseal Surface for the highest levels of hygiene.
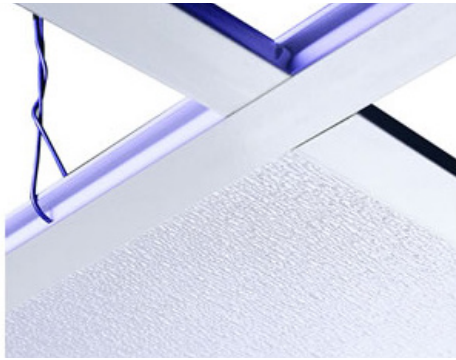
SURFASEAL® FINISH

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/m²	Total laminated Panel thickness
1.90mm Smooth CLASS C	White*	4.5mm Cement Board	595mmx595mm, can be custom sized	11.2 kg/m²	6mm-7.5mm

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 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.