

# HYGIMAT

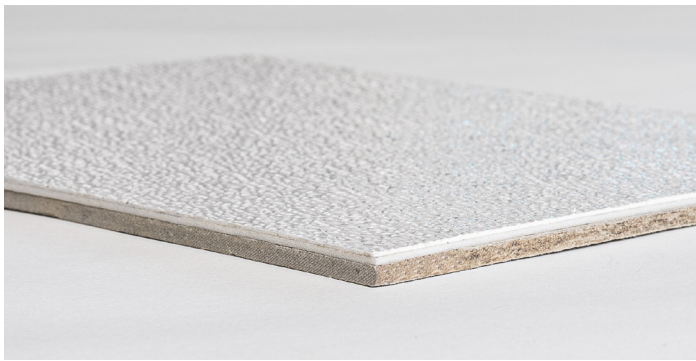
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Hygienic Laminated Cement Boards

## HYGIMAT hygienic laminated Cement Boards

### PRODUCT

Hygimat Cement boards 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 Cement board laminates with Surfaseal® are designed for interior ceiling finishes where a sanitary easy to clean Wall or ceiling is desired.

\* ADDITIONAL COLORS ARE AVAILABLE BY QUOTATION

### Design Properties

FRP SURFACE Details	FRP SURFACE COLOR	Backing Material	Size available	Panel Weight kg/m <sup>2</sup>	Total laminated Panel thickness
1.90mm Smooth CLASS C	White*	12mm Cement Board	1.20m x 2.44m	22.33 kg/m <sup>2</sup>	15.5mm

Property	Value
Operating temperature range	+5°C ~ +40°C

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
Backing Details	Value	Test Method
Water absorbtion %	≤38	by weight
Impact Stregth [ J/m <sup>2</sup> for 9mm ]	2100	N/A
Material Class	Non-Combustible	BS 476: Part 4
Warm Water, Freeze Thaw, Soak Dry, Heat Rain, Water Impermeability	Pass	BS EN 12467
Mould / Fungal Growth	Free from Fungal Growth	IS 4873
Termite Resistance	No Termite Attack	IS 4833
Borer Resistance	No Borer Attack	IS 4873
VOC organic Emission	Not Detected	ISO 16000-6
Asbestos Identification	Free From Chrysotile, Anthophyllite, Actinolite & Antigorite Asbestos	X-Ray Diffraction Method

## STORAGE REQUIREMENTS

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

## CLEANABILITY TESTING

If Glasbord® Panels 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 embossed panels must be installed/ run vertically for any areas that require a sanitary finish under HACCP certification.

