

Bio/CR-5B GridLock® Wall Panel

General Description:

Bio/CR-5B wall panel is part of the GridLock panelized wall product line. The panels used in this system are 5/8" inch thick and are made of foam cell core sandwiched by metal sheeting and fiberglass composite face that form a durable composite panel. The exposed face is composed of a 090 FRP with a consistent smooth face (with a minor fiberglass through print). The FRP surface finish is glossy and ASTM E 84 Class A for smoke and flame spread.

The panel will be supplied in standard 4' x 8' or 4' x 10' sizes. The vertical edge is square and is designed for direct fastening to the wall studs. The joint that results from butting the two square edges is filled with sealant and covered with a flat batten having the same surface characteristics as the panel face. The final surface is dense, stain resistant and chemical resistant. It is non-generating for particulate matter and as such is ideal as a value engineered wall system in standard dry housing facilities.

The Bio/CR-5B panel is designed specifically as a wall panel with a batten seam only and for use in a suspended grid ceiling application that is applicable to several industries. The ability to mount these panels directly on studs reduces construction time and eliminates painting or repainting.

Cleaning: GridLock Panels can withstand daily surface washing, wet wiping, dusting and vacuuming. They can withstand routine high-pressure washing and chemical disinfection and fumigation. The resinous finish will not support the growth of bacteria or mold. Ask your LSP Representative for more detailed maintenance instructions.

The panels have the following properties:

Fire Rating: Class 1 ASTM E 84 for flame spread of 25 or less

Light Reflectance @ 85: 87

Minimum Weight: 1.5 lbs. per square foot

Finish: Polyester gel coat smooth

Standard Sizes: 4' X 8' and 4' x 10'

Panel thickness: 5/8"

Color: White

Finish: Gloss

Hardness: ASTM D-785 30-60 Barcol

Flexural Mod ASTM D-790-07 : 657,693

Flexural Strength-ASTM D 747: 170 MPa

Water Vapor Transmission ASTM E-96: < 0.0001 perms

Tensile Strength: ASTM D-638: 120 MPa

Coefficient of Linear Thermal Expansion CLTE (mm mm C) ASTM D-696: 4.30 E -05

