

GridLock® Polymer Core 2 Ceiling Panel

Description

Grid-Lock Polymer Core Ceiling panels are designed for use in research facilities where cleaning and disinfecting are critical. The panels are finished in a square edge detail and seat above the fiberglass grid system. The panels are finished with a square edge detail and are engineered to lock down directly in LSP's fiberglass grid system. Room-side select access is available. The poly-core 2 is a composite panel with an impervious high density polymer/aluminum core with a smooth, dense composite as the room-side surface. This room-side surface is dense, stain resistant, highly chemical resistant and impervious to water and is completely non-absorbent. The poly-core 2's non-generating particulate matter makes an ideal product for clean room environments.

Properties:

Finish: Standard

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

Light Reflectance: LR-1, 0.75 or greater

Minimum Weight: 2.0 lbs. per square foot

Finish: Polyester gel coat

Standard Sizes: 2'x 2' or 2'x 4' (hard lid: 4' x 8' or 4' x 10')

Panel thickness: 7.5 mm

Color: White

Finish: Flat

Core:

Hardness: ASTM D-785 40-80

IZOD Impact: ASTM D-256 7.0 ft-lbs/inch

Flexural Stiffness: ASTM D-747 132,000 psi

Torsion Stiffness: ASTM D-1043 140,000 psi

Elongation: ASTM D-638 960%

Tensile Strength: ASTM D-638 4450 psi

Cleaning: Grid-Lock Polymer Panels can withstand daily surface washing, wet wiping, dusting and vacuuming. When used in conjunction with Grid-Lock Gasket Grid and lockdown systems it can withstand high-pressure washing. The resinous finish will not support the growth of bacteria or mold.

Demounting: All ceiling panels can be removed from the ceiling grid by simply removing lock down clips. Selected access panels can be removed easily from below the ceiling to allow access to the interstitial space above using the Grid-Lock clips.

Panels are incorporated into the Grid-Lock System in three forms; Total Access(A), Selected Access (SA) and Drop In (DI). Panels can be cut to custom sizing if required.

Sound Absorption: N/A

Installation: Prior to installation the area in consideration should be at operating conditions for temperature and relative humidity for at least 24 hours prior to and during installation to ensure proper fit and seal.