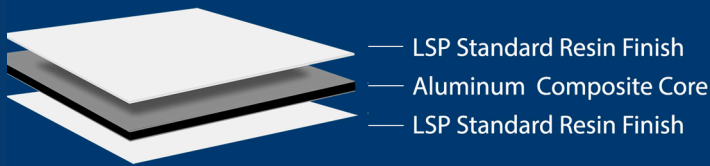




GridLock™

PolyCore2 Clean Room Ceiling System



Life Science Products

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**GridLock™ PolyCore 2
Suspended Ceiling System**
*Provides all the Same Room
Side Features as our Standard
PolyCore System
with a slightly
slimmer and lighter panel*

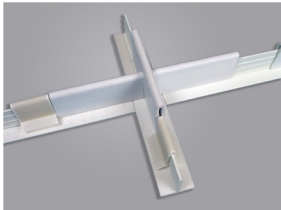


PolyCore2 Panel Features:

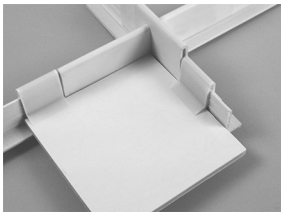
- Smooth High Gloss Face
- Highly Chemical Resistant
- Easy to Clean
- Impervious to Moisture
- Can be Pressure-Washed with "Hold-Down" Clip System Installed
- Class "A" Fire-Rated (Both Sides)
- Dual Surfaces for Longer Life
- "Select Access" allows selected panels to provide access to lights and equipment above the ceiling. Yet panels stay in place during pressure washing, dusting, vacuuming or hand cleaning.
- Available in both 2' x 2' and 2' x 4' Drop-In Tile Configurations
- Designed to be used with the LSP GridLock™ Ceiling Grid System
- Made and Assembled in the USA

PolyCore2 Ceiling Tile (Polymer Core) General Description:

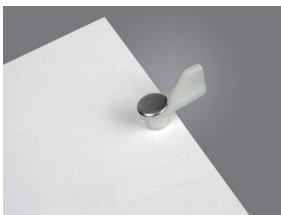
The Gridlock™ Polymer Core 2 Suspended Ceiling System is part of the LSP Bio-Containment and Clean Room product line. The composite ceiling tiles are 5mm thick and are designed with a moisture impervious Aluminum/Poly core. The core is then faced with an 0.050" glass reinforced thermoset polyester surface on both sides. The dual sided surface makes the panel both balanced, and usable on either side. If one side becomes damaged, just flip the panel over for extended use. Tiles are available in 2'x2' and 2'x4' sizes. The surfaces are both Class "A" Fire Rated per the ASTM E-84 test. The smooth, glossy, white surface is stain and chemical resistant. It can withstand daily surface washing, wet wiping, dusting and vacuuming. When used in conjunction with the GridLock™ Gasketed Grid and "Panel Hold-Down" Clips, it will withstand high pressure washing. The system allows for either "Selected Access (SA)" or "Total Access (TA)" by incorporating room side "Toggle Clips" into either all or selected panel faces. The Grid contains no metals and will never require painting. The extruded white FRP grid will not rot, corrode, or peel as the color is homogenous throughout.



Cross Tee and Clips



Panel w/ Hold Down Clips



Toggle Clips

PolyCore Panel Physical Properties:

- Color:** White (Both sides) **Finish:** Gloss
- Thickness:** 5mm (approximately 3/16")
- Minimum Weight:** 1.5 Pounds per square foot
- Face:** Smooth Glass reinforced Polyester Thermoset Polyester
- Standard Sizes:** 2' x 2' and 2' x 4' Panels
- Fire Rating:** Class "A" (1) per the ASTM E-84 Test
- Light Reflectance:** LR-1, 0.75 or greater
- Hardness:** ASTM D2583 – 81 Barcol
- Compressive Strength:** ASTM D695 – 5,864 PSI
- Modulus of Elasticity:** ASTM D695 – 317,800 PSI
- Flexural Strength:** ASTM D790 – 10,138 PSI
- Flexural Modulus:** ASTM D790 – 444,800 PSI
- Tensile Strength:** ASTM D638 – 4,458 PSI
- Tensile Modulus of Elasticity:** ASTM D638 – 115,200 PSI
- Coefficient of Linear Expansion:** ASTM D696 – 3.6 E-05

Surface Chemical Resistance:

- Acetic Acid – Excellent
- Acetone - Good
- Benzene – Good
- Citric Acid (10%) – Excellent
- Hydrofluoric Acid (10%) - Good
- Hydrogen Peroxide (28%) - Excellent
- Mineral Spirits – Excellent
- Nitric Acid (40%) – Excellent
- Potassium Chloride – Excellent
- Sodium Chloride (10%) - Excellent
- Sodium Hydroxide (10%) – Excellent
- Sodium Hypochlorite (5%) - Excellent
- Sulfuric Acid (30%) – Good
- Urea – Good

Excellent = No Surface Effect. No Yellowing

Good = Slight Change to Surface Opacity. No Yellowing

Correlation of test results with actual performance is dependent upon the similarity between testing and in-use conditions. LSP recommends you test our surface in your specific conditions before use of any chemical cleaning agent. Always follow manufacturer instructions for use procedures and removal of chemical agents. None of the above should be construed as a recommendation for use.



Limited 1 Year Warranty

The Gridlock™ Grid with PolyCore2 Panels is warranted for 1 year against manufacturing defects.

Life Science Products have been in demand by these and other highly respected institutions:

Bristol Meyer Squib | Children's Mercy | Cleveland Clinic | CalTech Univ. | Dana Farber | Duke University
Emory University | F.D.A. | Harvard University | M.D. Anderson | NIH | Novartis | Northwestern University
Ohio State U. | Pfizer | Princeton University | Regeneron | University of North Carolina | Yale University