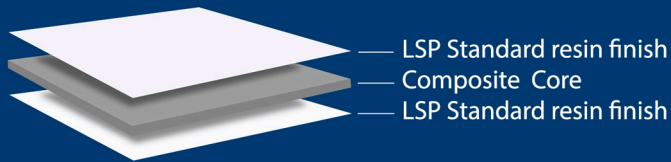
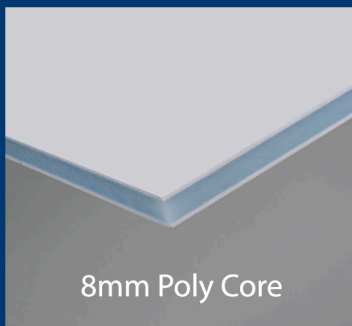




GridLock™

PolyCore SA/TA Clean Room System



Life Science Products

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GridLock™ PolyCore SA/TA Suspended Ceiling System

*The established Standard for
BioMedical and Pharma Clean
Room Facilities*

**For over 20 years one of
our most specified and
proven products.**

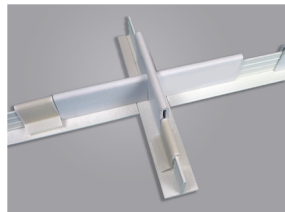


PolyCore (SA & TA) Features:

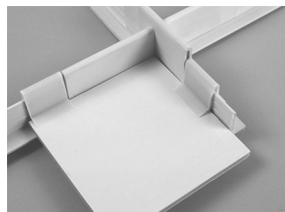
- Smooth High Gloss Face
- Highly Chemical Resistant
- Easy to Clean
- Impervious to Moisture
- Can be Pressure-Washed with "Hold-Down" Clip System Installed
- Class "A" Fire-Rated (Both Sides)
- Dual Surfaces - Panel can be used on either side. Just flip panel if one face is damaged.
- "Select Access" means selected panels can provide access to lights, filters and equipment above the suspended ceiling. Yet panels stay in place during pressure washing, dusting 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
- Gridlock Grid™ is a strong, rigid, extruded Fiberglass system that will not corrode or require painting.
- Made and Assembled in the USA

PolyCoreSA Ceiling Tile (Polymer Core) General Description:

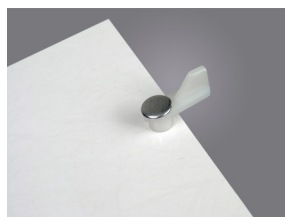
The Gridlock™ Polymer Core Suspended Ceiling System is part of the LSP BioContainment and Clean Room product line. The PolyCore composite ceiling panels are 8mm thick and designed with a moisture impervious Plastic Polymer core. The core is sandwiched between two 0.050" smooth, white, glossy glass-reinforced thermoset polyester faces on both sides. The dual surfaces make the panel not only fully balanced (will not sag) but also usable on either side. 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 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", GridLock™ 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:** Glossy
- Thickness:** 8mm (approximately 5/16")
- Minimum Weight:** 1.6 Pounds per square foot
- Face:** Smooth Glass reinforced Polyester Thermoset Resin
- 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 – 3,698 PSI
- Modulus of Elasticity:** ASTM D695 – 201,400 PSI
- Flexural Strength:** ASTM D790 – 10,138 PSI
- Flexural Modulus:** ASTM D790 – 444,800 PSI
- Tensile Strength:** ASTM D638 – 4,458 PSI
- Wayer Vapor Transmission:** ASTM E96 - 0.0001 g/(h*m2)
- Water Vapor Permeance:** ASTM E96 - 0.014 perms
- Air Permeance:** ASTM E2178 - 0.000000 L/(Pa*m2*s)

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 PolyCore 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