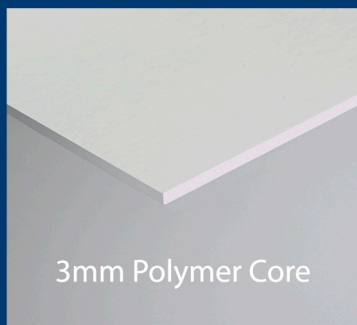




# Bio/CR-7

## Seamless Wall Panel System



### Life Science Products

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### Exceptional Price/Performance Wall Panel System.

For Hallways, Holding Rooms, Procedure Rooms, Isolation Zones, Pharma, and most Clean Room Requirements.



### Bio/CR-7 Features

- Smooth High Gloss Face
- Highly Chemical Resistant
- Exceptional Impact Resistance
- Impervious to Moisture
- Class "A" Fire-Rated
- Easy to Clean
- Lightweight panel installs directly over gypsum, saving both time and money
- Provides as much as 10 times the useful life of wall coatings and paint systems
- The Bio/CR-7 "Wall System" provides a sustainable containment barrier for BioMedical and Pharma your clean room Interior Envelope

## Bio/CR-7 General Description

The Bio/CR-7 Panel System is part of the LSP Bio-Containment/Clean Room product line. The composite panels are 3mm thick and made of a glass-reinforced thermoset polyester polymer resin. The face is a smooth, white, high gloss finish. It is highly impact resistant, is easy to clean, and has excellent chemical resistance. Panels are available in 4'x 8', 4'x9', 4'x10' and other custom lengths. The panel is Class "A" Fire Rated per the ASTM E-84 test. Edges are generally beveled and sealed using 100% solids, LEED-compliant, gloss finish urethane compound, resulting in a seamless installed system. The smooth white surface is impervious to water and is very hard to dent or damage. The face is also designed to withstand regular high-pressure washing, disinfection, and fumigation. The Bio/CR-7, is installed over smooth gypsum. The lightweight, easy-to-install panel renders the need for epoxy coatings or paint a thing of the past. The Bio/CR-7 can also be used as a ceiling panel in a "hard lid" ceiling application.

## Bio/CR-7 Physical Properties

**Color:** White **Finish:** Gloss

**Panel Thickness:** 3mm (approximately 1/8")

**Fire Rating:** Class "A" (1), per ASTM E-84

**Weight:** 0.9 pounds per square foot

**Hardness:** ASTM D2583 – 50 Barcol

**Compressive Strength:** ASTM D695 – 10,152 PSI

**Flexural Strength:** ASTM D790 – 13.3 x 103 PSI

**Flexural Modulus:** ASTM D790 – 14.0 x 105 PSI

**Taber Abrasion Resistance:** (CS-17 Wheels, 1,000g.wt, 25 cycles) 0.04%

**Coefficient of Linear Expansion:** ASTM D696 – 1.4 (E-05)

**Tensile Modulus of Elasticity:** ASTM D638 – 7.7 x 105

**PSITensile Strength:** ASTM D638 – 6.3 x 103 PSI

## Surface Chemical Resistance

Acetic Acid - Excellent

Acetone - Good

Benzene - Good

Citric Acid (10%) - Excellent

Chlorine/Water - Excellent

Hydrofluoric Acid (10%) - Good

Hydrogen Peroxide (28%) - Excellent

Mineral Spirits - Excellent

Nitric Acid (40%) - Excellent

Potassium Chloride - Excellent

Propyl Alcohol - Excellent

Sodium Chloride (10%) - Excellent

Sodium Hydroxide (10%) - Excellent

Sodium Hypochlorite (5%) - Excellent

Standard Soap Solution - 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.



***The following test results were self-performed by LSP on common commercial chemicals used in the Bio-Medical research industry.***

*Beta-Dyne - Good*

*Denatured Alcohol - Excellent*

*Hydroxy Acetic Acid - Excellent*

*Phosphoric Acid - Good*

*Potassium Hydroxide - Excellent*

*Sodium Hypochlorite Alkaline - Excellent*

*The facts stated herein are based on our own research and the research of others and are believed to be accurate. No guaranty of their accuracy is made, however, and unless otherwise expressly provided in written contract, the products discussed are sold without conditions or warranties, express or implied. Clients should perform their own tests to determine the suitability of our products for their particular purposes. Nothing contained herein shall be construed to be a recommendation for use.*



### **Limited 10 Year Warranty**

The Bio/CR-7 "Wall System" has a limited 10 year warranty if installed by Certified LSP Installers or LSP Certified Training is provided to non-certified installers. Otherwise panels are warrantied for 2 years against manufacturing defects.

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