

# BELLCOMB CLEANROOM SYSTEMS

OFFERING CUSTOM FEATURES THAT INSTALL  
EASILY AND TO YOUR SPECIFICATIONS

At Bellcomb Technologies we take pride in our market expertise. Our design engineers have years of experience providing design solutions to an array of cleanroom customers. We have partnered with leading cleanroom industry customers to develop Cleanroom Panel Systems that exceed industry standards here and abroad.

## QUALITY

Bellcomb USP 797 Cleanroom panels are manufactured to the most stringent QC standards for use in:

- Research Laboratories
- Biotechnology Labs
- Pharmaceutical Manufacturing
- Medical Device Manufacturing
- Wafer Fab Production
- Environmental Rooms
- Healthcare Facilities
- Nano Technology
- Precision Machine Enclosures
- Animal-Housing Labs

Our all aluminum alloy and performance-engineered epoxy panels are impervious to virtually all cleaning solutions and solvents.

## STRONG

Our aluminum honeycomb cores have become the norm for cleanroom panels, given aluminum's exceptional strength to weight ratio. In addition to our standard cleanroom panels, Bellcomb can customize panels to meet all your needs. We manufacture all our own products enabling us to design and provide custom services to our clients.



## LIGHTWEIGHT

Bellcomb offers lightweight Cleanroom panel solutions with extrusions, smooth antibacterial finishes. They are resistant to microbial and fungal growth and withstand repeated cleaning and sanitation. Our Smooth radius corner connection and seamless construction at attachment points allows for individual panels to be removed/replaced in standing systems, setting us apart in the Cleanroom market.

## GREEN

Our Cleanroom panels weigh up to 80% less than traditional aluminum faced panels resulting in less transport weight and less labor time to install. Bellcomb panels are not made from organically harvested materials therefore they last longer than traditional organic materials making replacement less frequent.

## ABOUT BELLCOMB

Bellcomb has been manufacturing honeycomb panels for a multitude of applications since 1989. All Bellcomb honeycomb panels are built using aerospace composite and bonding technology in the largest honeycomb panel capacity manufacturing plant in the world.

# BELLCOMB CLEANROOM PANELS

EASY INSTALLATION, EXCEPTIONAL PERFORMANCE AND VALUE

## GENERAL

Crafted from high-strength aluminum alloy (skins) and honeycomb core, Bellcomb's cleanroom panels are manufactured with a proprietary epoxy adhesive which provides an impervious bond to protect against contamination while maximizing mechanical performance. The high-gloss poly finish is hard enough to resist scratches and chips while being easy to clean and maximizing lighting efficiency. Our panels are available in a variety of dimensions and configurations, either as stand-alone panels or with our innovative structural frame and joiner hardware for a complete cleanroom system.

## DESIGN FEATURES

**Panels Skins:** 0.025" 3105 Aluminum, Gloss White Poly Finish (Walk-able ceiling panels faced with 0.063" 3003 Treadbrite Aluminum)

**Honeycomb Core:** 0.003" 3003 Aluminum Structural Foil, 0.375" Cell Size

**General Sizes:** 4'x8', 4'x10', 4'x12', thickness of either 1/4" or 2" (approx)

**Joiner & Framing Extrusions:** Proprietary, 6063 Aluminum

**Panel Options:** ESD, Clear Anodize, or Clear Epoxy Prime finish or custom sizes also available at extra charge

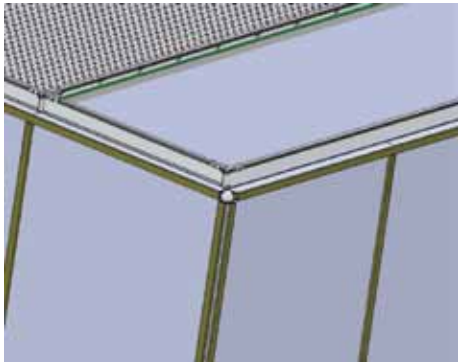
## ABOUT SOME OF OUR PANELS:

PANELS	OVERALL DIMENSION* W x L x D	WEIGHT (lbs.)	TEMPERATURE RANGE	COMPRESSIVE STRENGTH**	STIFFNESS*** (lb./in.)	LIGHTING EFFICIENCY
BSP2167	4' x 8' x 0.236"	27.1	0 - 180° F	340 PSI	1.60E+01	93%
BSP2168	4' x 10' x 0.236"	33.9			2.00E+00	
BSP2370	4' x 10' x 2.00"	55.0			1.80E+03	
BSP2324	4' x 12' x 0.250"	40.6			2.40E+1	
BSP2371	4' x 12' x 2.00"	66.0			2.110E+3	
BSP2322 (CEILING)	4' x 12' x 2.00"	94.0			4.30E+8	

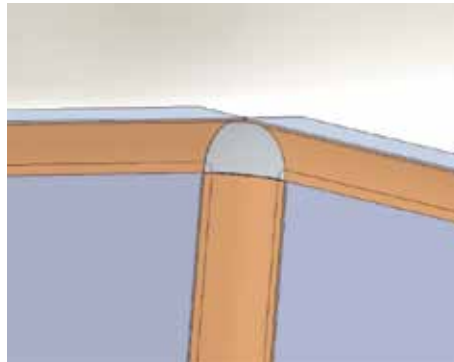
\*Length/Width approximate. Panels sized to this nominal spacing with joiner system.

\*\*Compressive strength of core.

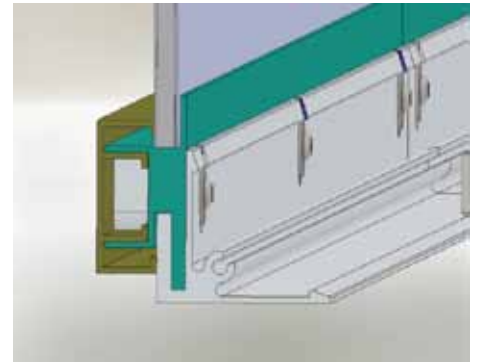
\*\*\*Measured in-plane with support along 2 (longest) edges, to point of non-recovery



Panels alone or wall/ceiling systems – walk-able too – all manufactured in our Minneapolis location.



Fully covered corners for aesthetics and easy maintenance.



Self-contained leveling system simplifies and speeds installation.



For More Information:

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