



BONDED SERIES™

Translucent honeycomb panels for interiors

Produced in Italy by Bencore for Panelite's exclusive US distribution

Light-weight | Low-transmitting | Resource Efficient

Mario Cucinella Architects offices, Bologna Italy / MC Architects / Photo: Antonio Lombardini

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PANELITE BONDED SERIES™ TRANSLUCENT HONEYCOMB PANELS

Panelite materials provide an unparalleled combination of aesthetics and performance for design and architecture. The company pioneered the translucent honeycomb panel in 1998 and continues to develop products expanding on the significant benefits of translucent composites. We are proud to be the exclusive partner and distributor of Bencore Italy, bringing their exceptional high quality and value of products to the US under our Bonded Series line.

1 Interior Daylighting

Bonded Series™ panels used for partitions or ceiling cloud components reduce glare and transmit up to 65% of the daylight entering through the building envelope, to lower energy requirements and improve user comfort.

2 Resource Efficiency

Bonded Series™ panels apply honeycomb technology to produce lightweight, self-structural panels using 70-80% less raw material than a solid resin sheet of comparable thickness, for reduced environmental impact and more efficient installation. Clear facings are 100% recycled.

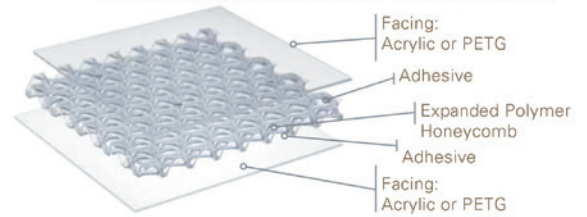
3 Transparency + Views

Our unique bonding technology applies adhesive only at the honeycomb cell wall, leaving the cell openings completely clear. Daylight is both transmitted and diffused, while providing visual transparency for views, to improve user comfort and productivity. (Satin finishes also available.)

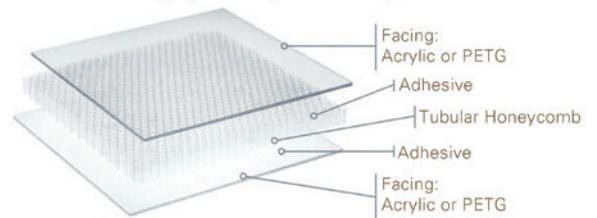
4 Design

Panelite offers a broad range of honeycomb core and facing options, as well as pre-fabricated system details for installation. Please contact us for project-specific design development assistance. We look forward to helping you achieve your design, daylighting and sustainability goals.

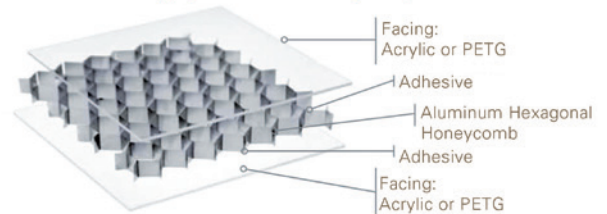
B-EC type/ Expanded Polymer / Bencore Starlight



B-TC type/ Tubular/ Bencore Lightben



B-AH type/ Aluminum Hexagonal/ Bencore Hexaben



AUDI Central/Houston, TX / CDR Studio w/ Goree Architects / G. Lyon Photography / PANELITE Snap™ backlit wall and ceiling system w/ B-TCW panels



LOWER ENVIRONMENTAL IMPACT

Due to their honeycomb cores, Bonded Series™ panels are self-structural and use 70-80% less raw material than a solid resin or glass sheet of comparable thickness, also requiring less framing and labor for installation. Clear facings use 100% recycled content.

Brooklyn Library, Brooklyn NY / Leven Betts Architects / Photo: Gregg Richards
B-TCCT flat and curved panels with frameless spline joints, sliding and swing doors, applied vinyl graphics



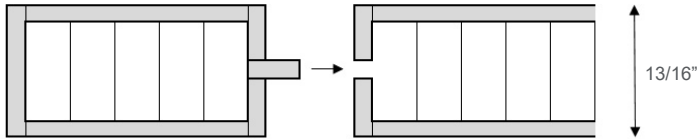
Google offices, Seattle WA / DLR Group / Sam Van Fleet photography / B-TCRT wall system with BF-EFL flush edge closeout

PANELITE BONDED SERIES™ PANELS APPLICATIONS AND OPTIONS

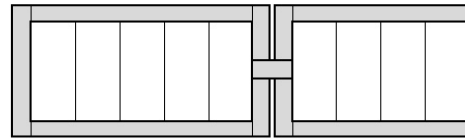
Bonded Series™ panels can be used for a variety of interior applications including but not limited to:

- Backlit and Feature walls
- Partitions and Doors
- Cloud and Backlit Ceilings
- Countertops and Furniture
- Flooring
- Exhibit and Display Systems

Pre-fabricated installation details are available, taking advantage of the structural efficiency of honeycomb to save materials and labor onsite. Please inquire about project-specific details.

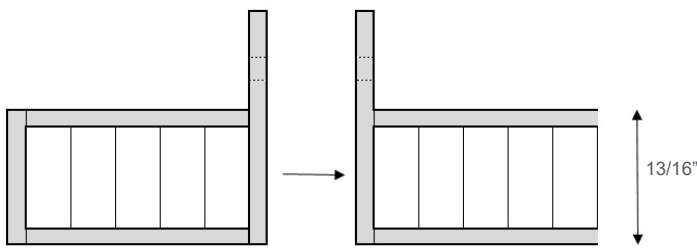


Pre-Installation. Interlocking Joint Detail

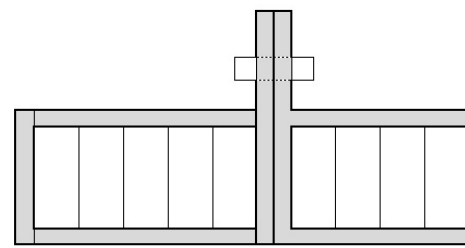


Post-Installation. No silicone required. Demountable.

ClearConnect™ Interlocking Panel Joint (BF-ITL)



Pre-Installation. Flush Edge (left), Structural Fin Edge (center)



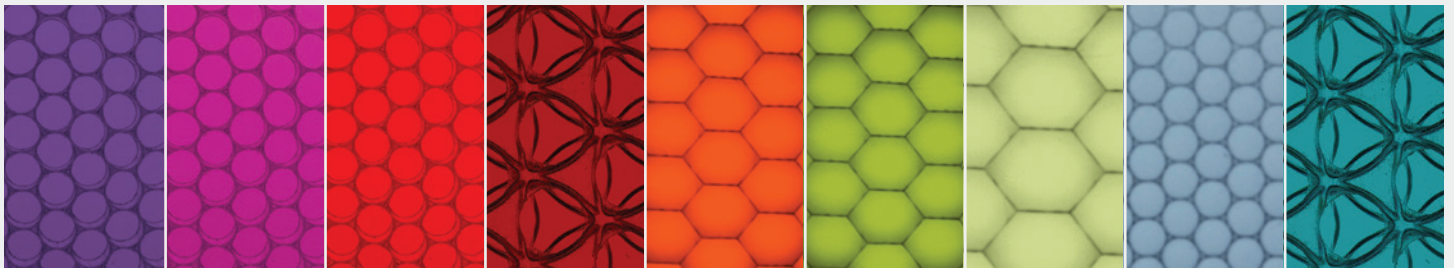
Post-Installation. Bolted or hung through connector holes.

ClearConnect™ Structural Fin Edge (BF-ESF)

Bonded Series options include but are not limited to these combinations. Contact Panelite for our full product range, design development and specification assistance. All clear facings contain 100% recycled content.



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|--|--|--|--|--|--|--|---|--|
| B-AH-CT
Alu Hexagonal
Clear Transp. | B-AH-CS
Alu Hexagonal
Clear Satin | B-AHL-CS
Alu Hexagonal 1"
Clear Satin | B-TC-CT
Tubular Clear
Clear Transp. | B-R3C-CT
Random Clear
Clear Transp. | B-R3C-CS
Random Clear
Clear Satin | B-EC-CS
Expanded PC
Clear Satin | B-EC-SLT
Expanded PC
Smoke, Lt.
Transp. | B-R3BK-CT
Expanded PC
Clear Transp. |
|--|--|--|--|--|--|--|---|--|



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|--|---|--|---|---|---|--|---|--|
| B-TC-LT
Tubular Clear
Lilac Transp. | B-TC-VT
Tubular Clear
Violet Transp. | B-TC-RT
Tubular Clear
Red Transp. | B-EXC-RT
Expanded PC
Red Transp. | B-AH-OS
Alu Hexagonal
Orange Satin | B-AHG-OS
Alu Hexagonal
Green Olive Satin | B-AHL-GLS
Alu Hexagonal 1"
Green, Lt. Satin | B-TC-BS
Tubular Clear
Blue Satin | B-EXC-BT
Expanded PC
Blue Transp. |
|--|---|--|---|---|---|--|---|--|