



The LIGHTWALL 3440 is our most popular daylighting system. The 3440 system offers beauty, durability, and economy with vertical panels that can extend up to 54 feet long and eliminate leak-prone horizontal joints.

Translucent polycarbonate wall panels offer a host of benefits including daylighting energy savings, outstanding insulating value, and elimination of leak-prone horizontal joints. Our sustainable aluminum framing and polycarbonate panels are 100% recyclable and can help you receive LEED credits for daylighting. The LIGHTWALL® 3440 has provided façade solutions for

a wide range of structures in a wide range of industries and has been subjected to testing to meet building code standards. The LIGHTWALL® 3440 offers comfortable, diffused daylighting, superior insulation, durability, and weather-tight performance.

SYSTEM FEATURES & BENEFITS

- Structural cellular polycarbonate panels are 500mm (19-11/16") wide
- Vertical panels up to 54' long eliminate leak-prone horizontal joints
- Highly insulating, from U-0.24 to 0.28 (R-3.5 to 4.2) for 40mm thick panels
- Optional thermal break for better insulation value for conditioned spaces
- Tongue and Groove joinery provides clean appearance without the need for vertical framing
- Highly impact resistant
- Low friction gaskets for long life
- Available in various colors and translucencies
- Complete Air/Water/Structural Testing
- Made in the USA
- Backed by EXTECH's more than 45 years of experience



KEY ELEMENTS

40MM OR 50MM TONGUE & GROOVE
CELLULAR POLYCARBONATE PANELS

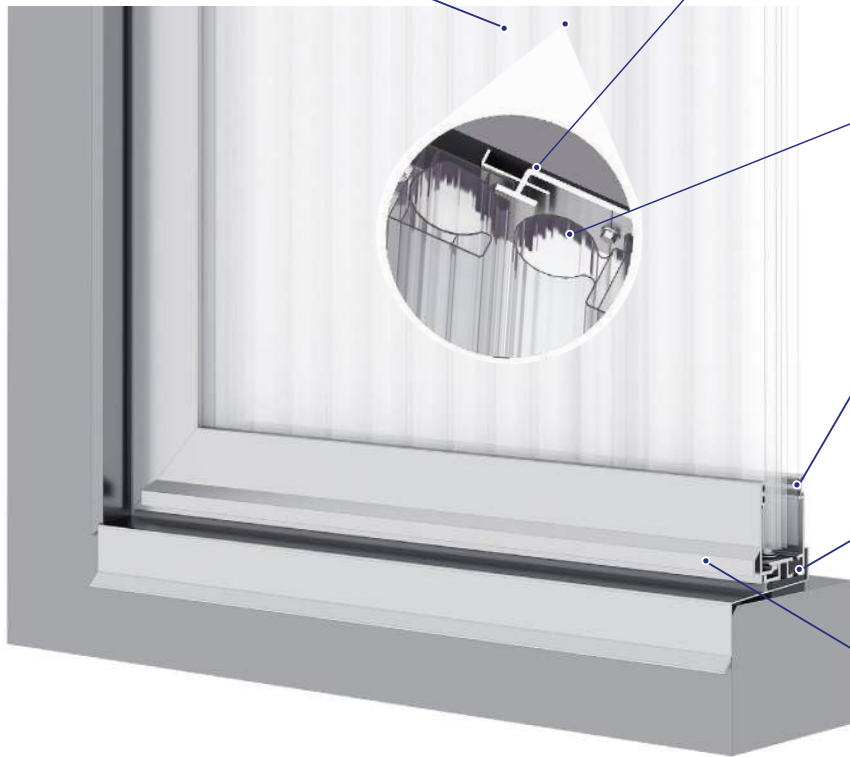
CONNECTION CLIP

TONGUE &
GROOVE JOINERY

DOUBLE GASKETING

THERMALLY BROKEN OR
NON-THERMALLY BROKEN FRAME

WEEP HOOD



TEST RESULTS

Flammability Testing

- Self-ignition: ASTMD-1929
- Smoke Density: ASTM D-2843
- Burn Extent: ASTM D-635
- Interior Flame Spread: ASTM E-84

Weathering Testing

- Color Change: ASTM D-2244
- Yellowing Index: ASTM D-1925
- Light Transmission: ASTM D-1003

Miscellaneous

- Air Infiltration: ASTM E-283
- Water Infiltration: ASTM E-331
- Load Bearing Capability: E-330
- U-Value: NFRC