

COMPOSITE PANELS - PXC SERIES

QUALITY ASSURANCE:

1. Panelex Industries has well over 5 years of manufacturing and installing experience in architectural wall panel systems with complete in-house state of the art production facility.
2. Panelex Industries is an approved manufacturer of all architectural wall systems.
3. Shop tests shall be provided to ensure dimensional and finish qualities are up to and exceed specific standards.

DESIGN AND PERFORMANCE:

1. The panel system and all required and accompany hardware and stiffeners meet the specified requirements for wind loading, air infiltration and water penetration.
2. Free floating anchorage system to accommodate for expansion and contraction and the ability to remove and replace individual panels without the removal of any adjacent panels.
3. The supporting track system is a dry joint system with the ability to catch condensation within the wall and direct it to weep points within the system for drainage.
4. The dry joint system incorporates a pressure equalized rain screen system allowing any water entering the system to drain to the exterior and allow air into the pressurizing chamber to provide instantaneous pressure equalization.
5. All fasteners and connectors are concealed.
6. Panel support system is sufficient to accommodate the dynamic movements and design load requirements.

7. Panel system is designed to provide a completely weatherproof enclosure without any water penetration through the system.
8. Panel system will provide for free and noiseless vertical and horizontal thermal movements due to the expansion and contraction of cladding panels for an ambient temperature range of -18 degrees Celsius to +65 degrees Celsius.

REFERENCE STANDARDS:

1. CSA Canadian Standards Association.
2. ASTM American Society for Testing & Materials. ASTM E283-84; ASTM E331-86; ASTM E413 and ASTM E330.
3. NFPA 285 – Intermediate Scale Multi Story
4. UBC 26-3 Room Corner Test
5. ASTM 119
6. CAN/ULC – Canadian full scale test.
7. CGSB Canadian Government Specifications Board.
8. ASTM D1781- Peel Strength 22.5 in-lbs. /in (100 N-m/m) minimum.

Please see attached document (SPEC DATA) for more detailed Specifications and Tests.

WARRANTY:

1. Panelex PXC Series guarantees a fully weatherproof and watertight system.
2. Panelex PXC Series guarantees against oil canning or buckling due to thermal movements.
3. Panel Finish is guaranteed against
 - Excessive Non-Uniformity.
 - Pitting or Corrosion.

4. Sealants are guaranteed against ;

- Adhesive and cohesive failure joints.
- Sagging and extruding of joints.
- Staining of surfaces.
- Chalking or visible color change.