260, 360, 560 Insulclad® Thermal Entrances

Engineered Entrances with Climate Control Efficiency

Approved for Historic Preservation
Certificate of Appropriateness
Date: 04/12/16

PCL Centennial Learning Centre, Edmonton, Alberta, Canada
Architect: Cohos Evamy integratedesign™, Edmonton, Alberta, Canada
Glazing Contractor: Beacon Glass Products Ltd., St. Albert, Alberta, Canada

Kawneer's Insulclad® Entrances provide thermal efficiency for the entire building façade and are available in 260 Narrow Stile for moderate-traffic applications, and 360 Medium Stile and 560 Wide Stile for heavy-traffic applications. All doors are thermally enhanced with interior cladding, which has the added advantage of enabling dual-color design.

Insulclad® Entrances are available as a single-source package of door, fully integrated door frame (with or without transoms) and integrated hardware. Center plane Trifab® VG 451T (Thermal) frames are standard, and Insulclad® Entrances are also compatible with 1600 Wall System®1, as well as other Kawneer framing systems. The total package and options allow easy adaptation to custom entrance requirements.

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Aesthetics

The interior thermal cladding means that Insulclad® entrances are 2-1/4" deep – slightly deeper than standard entrances. A major benefit of the two-piece construction and interior cladding is the ability to create different interior and exterior colors. 260 Insulclad® provides a slimmer look, while 360 provides extra strength for heavy-traffic applications such as schools and institutions, and 560 provides a monumental visual statement for applications such as banks and government buildings. Insulclad® Entrance dimensions include:

	260	360	560
Stile Widths	2-1/8" (54)	3-1/2" (88.9)	5" (127)
Top Rail	2-1/4" (57.2)	3-1/2" (88.9)	5" (127)
Bottom Rail	3-7/8" (98.4)	6-1/2" (165.1)	6-1/2" (165.1)

All three entrances offer an optional 7-1/2" (190.5) and 10" (254) bottom rail. Additionally, optional horizontal cross rails are offered in 2-1/4" (57.2), 3-1/2" (88.9), 6" (152.4) and 8-1/4" (209.6) dimensions. Maximum size for single entrances is 3'6" x 8'0" (1067 x 2438) or 7'0" x 8'0" (2134 x 2438) for pairs of entrances.

Insulclad® Entrances are single acting and mounted on offset pivots, butt hinges or continuous hinges. The 260, 360 and 560 Entrances accept 1" (25.4) infills, and numerous Kawneer hardware options are available.

Performance

To resist both lever arm and torsion forces that constantly act on any door, all three Insulclad® entrances feature Dual Moment corner construction with four Sigma deep penetration and fillet welds, plus mechanical fastening at each corner. Each door corner comes with a Limited Lifetime Warranty, which is good for the life of the door under normal-use operation. This warranty is transferable from building owner to building owner and is in addition to the standard two-year warranty covering each Kawneer door.

Kawneer Sealair® bulb neoprene weather stripping forms a positive seal around the door frame and provides a substantial reduction in air infiltration, which results in improved comfort and economies in heating and cooling costs. The system is wear and temperature resistant and replaces conventional weathering. Bottom weather strip at the interior contains a flexible blade gasket to meet and contact the threshold, enhancing the air and water infiltration performance characteristics. Computer simulation testing has been conducted in accordance with NFRC 100/200/500 and standard 15 AAMA 507-03 glass options.

TSYS North Center, Columbus, GA
Architect: C.S.I. Architects, Columbus, GA
Glazing Contractor: Uneeda Glass Co., Columbus, GA

For the Finishing Touch

Permanodic® Anodized finishes are available in Class I and Class II in seven different color choices.

Painted finishes, including fluoropolymer, that meet AAMA 2605 are offered in many standard choices and an unlimited number of specially-designed colors.

Solvent-free powder coatings add the green element with high performance, durability and scratch resistance that meet the standards of AAMA 2604.

260

360

560

Note: Numbers in parentheses ( ) are millimeters unless otherwise noted.

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Printed using soy based inks.