

350/500 Heavy Wall™ Entrances

Managing Heavy Traffic with
Reliability and Strength



Kohl Center, University of Wisconsin, Madison, WI
Architects: Hok Sport Facilities Group, Kansas City, MO; Venture Architects, Milwaukee, WI; Heinlein & Schrock, Kansas City, MO
Glazing Contractor: Lurie Glass Company, Milwaukee, WI

Kawneer's Medium Stile 350 and Wide Stile 500 Heavy Wall™ Entrances provide quality and durability that lasts. Designed for heavy-traffic areas such as schools, universities and office buildings where traffic and motion create rigorous usage. The doors have 3/16" (4.8) walls throughout for additional strength and reliability, and two framing options to provide a choice for designers.

Performance

To resist both lever arm and torsion forces that constantly act upon any door, the 350/500 Heavy Wall™ 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, good for the life of the door under normal-use operation. It is transferable from building owner to building owner and is in addition to the standard two-year warranty covering every Kawneer door. The 350/500 Heavy Wall™ Entrances are fully tested in accordance with industry standards.

Kawneer's Paneline® Panic Device can be incorporated into Heavy Wall Entrances for crowded buildings that require quick emergency egress. Pressure on the push panel quickly releases the door and Paneline® offers improved safety over a traditional crash bar device. For applications requiring 24-hour security and greater durability, Kawneer's Panic Guard® exit device is an option. This full-length, retractable astragal bar is located in the meeting stiles of a pair of doors, locks into place to secure the entrance and resists probing with devices such as coat hangers that can circumvent a crash bar panic device.

Aesthetics

Despite the extra wall thickness, Heavy Wall Entrances provide the same classic lines and clean aesthetics of any Kawneer entrance and blend into any type of architecture, whether traditional or modern, remodel or new construction. The door is 2" (50.8) deep with 3-1/2" (88.9) vertical stiles for the 350 Heavy Wall™ and 5" (127) vertical stiles for the 500 Heavy Wall™ with a 6-1/2" (165.1) bottom rail. A deeper 10-1/4" (260.4) bottom rail is also available. Glazing infills range from 1/4" to 1" (6.4 to 25.4). Muntins are optional and can be added to complement any design.

Heavy Wall Entrances provide a choice of framing: Trifab® VG 450 or 451 with 3/32" (2.4) thickness for economical applications that do not require additional strength throughout the entire entrance. Alternatively, the Heavy Wall Trifab® VG framing with 3/16" (4.8) wall thickness provides a solution for applications facing heavier traffic and substantial, or possibly abusive, usage.

Heavy Wall is a single-acting entrance with offset pivots, butt hinges or continuous geared hinges. The classic lines of 350/500 Heavy Wall™ Entrance's push-pull hardware blend into any design, whether traditional or modern.

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 or exceed 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.

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

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Baltimore Ravens Stadium at Camden Yards, Baltimore, MD
Architects: Hok Sport Facilities Group, Kansas City, MO;
Robert P. Madison International, Inc., Dallas, TX
Glazing Contractor: Zephyr Aluminum, Inc., Timonium, MD

