

350/500 Heavy Wall™ Entrances

Managing Heavy Traffic with
Reliability, Strength and
Protection that Lasts



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

HIGH DURABILITY – 350/500 Heavy Wall™

HURRICANE RESISTANT – 350/500 Heavy Wall™ IR

Kawneer's Medium Stile 350 and Wide Stile 500 Heavy Wall™ Entrance lines provide quality, durability and protection that lasts. The entrances were designed for heavy-traffic areas such as schools, universities and office buildings where traffic and motion create rigorous usage. 350/500 Heavy Wall™ Entrances have 3/16" (4.8 mm) walls throughout for additional strength and durability, and two framing options to provide a choice for designers. Additionally, the 350/500 Heavy Wall™ IR Entrances provide a solution for blast mitigation as well as offer hurricane resistance where they have been tested to meet the highest level of impact protection for entrances in the industry.

Performance

To resist both lever arm and torsion forces that constantly act upon any door, all 350/500 Heavy Wall™ Entrances feature four Sigma deep penetration and fillet welds plus mechanical fastening at each corner. In addition to the standard two-year warranty covering every Kawneer door, each door corner for the 350/500 Heavy Wall™ Entrances comes with a limited lifetime warranty, good for the life of the door under normal-use operation.

Aesthetics

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

350/500 Heavy Wall™ Entrances provide a choice of framing: Trifab™ VersaGlaze™ 450 or 451 Framing System I with 3/32" (2.4 mm) thickness for economical applications that do not require additional strength throughout the entire entrance. Alternatively, the Heavy Wall™ Trifab™ VersaGlaze™ Framing System I with 3/16" (4.8 mm) 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™ Entrances push-pull hardware blend into any design.

Protective Glazing 350/500 Heavy Wall™ IR Entrances

Wind-borne debris, persistent rain and internal/external pressure changes are major causes of property damage and injury stemming from violent weather, and building codes in coastal areas often require enhanced safety for occupants. To meet these needs, 350/500 Heavy Wall™ IR Entrances have been rigorously tested to meet the forces of nature as well as human directed attacks.

These impact resistant entrances have been tested to meet TAS 201, 202 and 203 requirements of the Florida Building Code (FBC) as well as Level D requirements of ASTM E 1996. The entrances have also been tested to meet the even more stringent Level E (Enhanced Facilities) requirements of ASTM E 1996. For comprehensive safety assurance, 350/500 Heavy Wall™ IR Entrances have also been tested for blast mitigation per the requirements of ASTM F 1642.



Montana State Fund Office Building, Helena, MT
Architect: Mosaic Architecture, Helena, MT
Glazing Contractor: Frontline Glass Inc., Helena, MT

For the Finishing Touch

Architectural Class I anodized aluminum finishes are available in clear and Permanodic™ 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.

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