



KI WALL

GENIUS[®]

SOLID, COMBINATION, FRAMED GLASS WALLS



The simplified modular design of Genius[®] walls provides complete aesthetic control to design purposeful environments. Finishes ranging from glass to powdercoat paint to wood veneer combine with functionality from white boards, hang-on components, integrated electrical, and endless door and hardware combinations to create spaces that live on long after installation.

SPECIFICATIONS

Genius architectural walls offer the high performance and value demanded by today's professional environments. With a full offering of features and options, Genius walls reduce noise, deliver power and data, and seamlessly integrate with furniture and structures. Designed for durability, Genius walls provide years of use, even through multiple reconfigurations. The result is an offering of walls that create spaces that are not only productive and functional but also beautiful and inspirational.

DIMENSIONS & DETAILS

Ceiling Track Assembly

Powdercoat painted steel recessed ceiling channel with free-float adjustment from top of wall to ceiling sealed with gasket. Also powdercoat painted, clear anodized, or flex wood flush ceiling channel with free-float adjustment from top of wall to ceiling sealed with gasket.

Base Assembly

Overlapping aluminum base or recessed steel base. Steel leveler assembly with vertical adjustment. Non-damaging carpet gripper screws. Hard floor anchoring to be determined by site-specific evaluation. Optional seismic requirements.

Frame

- Panel width: 6" - 60" (152.4 - 1524mm); restricted by wallcovering/substrate/glass width (laminated markerboard + tackable = 48" width or less).
- Butt-glazed glass panel width up to 120" (3048mm).
- Standard ceiling height up to 120" (3048mm).
- Standard frame depth 3.5" (88.9mm).
- Vertical adjustment:
 - Overlapping 4" base: +/- 1"
 - Overlapping 5" base: +/- 1.5" (without electrical)
 - Recessed base: +/- 0.5"
 - Recessed ceiling channel: +/- 0.5"

Frame Connections (KI Wall and/or Drywall to Frame)

Panel connectors provide frame alignment and gap control. Panel connectors at frame connection between the panel/frame and adjacent Genius wall product. Frame to base building flexible and rigid wall connections.

Insulation

Formaldehyde-free, fiberglass insulation installed in the factory in the frame and in the top distance channel. Base insulation to be field installed in base cavity prior to base trim installation. Recycled cotton insulation available as an upcharge.

Product Options

Glass panels. Solid panels. Combination panels. Double-glazed panels with and without mini-blinds. Horizontal solid and glass panels. Faceted panel solutions. Clerestory and stack-on options. Glass corners and 3-ways. Glass stacker to integrate with permanent pony or knee wall.

Testing and Approvals

- SCS Indoor Advantage Gold Certified for Indoor Air Quality
- BIFMA X5.6-2003 Functional and Proof Load Approval
- ICC Evaluation Report ICC-ES ESR-2673
- CSI Cleanroom 10000/ISO 7 Approved
- 44 to 48 STC for Combination Panels per ASTM E-90
- Transverse load test approval per ASTM E72
- Powdercoat paint and panel fabrics from Pallas Textiles or KI ingrades (100% polyester or recycled polyester or polyester/olefin blends) attained a Class A Rating when tested to UL 723 (ASTM E84)
- Wood and door factory FSC Certified

- Veneer attained a Class C Rating when tested to UL 723 (ASTM E84)
- Powdercoat paint attained a Flame Spread Rating of 20 and Smoke Development Classification of 150 when tested to CAN/ULC-S102.
- Environmental Product Declaration (EPD).
- Level 3 certified; conforms to ANSI/BIFMA e3 2014e Furniture Sustainability Standard

COMPONENTS & MATERIALS

Aluminum Extrusions

Internal and glass framework, flush ceiling track, and 4" (101.6mm) or 5" (127mm) overlapping base. Architectural grade and structural aluminum alloys. Glass vertical frame options: 1.75" (44.5mm), Thinline 0.95" (24.1mm), and butt-glazing. Glass horizontal mullion options: 1.35" (34.3mm) or Thinline 0.82" (20.8mm). Solid vertical posts manufactured with 1" (25.4mm) on center slotting for hang-on components that can be adjusted vertically.

Available Substrates

Tackable (fabric wallcoverings). 22-gauge steel (44 to 48STC). MDF. Glass. Slat wall tiles. Integrated tool rail.

Finishes

- Powdercoat painted 22-gauge steel
- Clear anodized aluminum (8-minute etch standard)
- Vertical fabrics (standard)
- Flex wood architectural grade A veneer applied to MDF; optional stained
- Markerboard panel shells: backpainted glass, porcelain, and laminite (erasable steel)
- Plastic laminate applied to MDF; painted edge
- Color selection per manufacturer's standard range
- Custom color matches (client approval required)
- Approved custom glass finishes

Glass Components & Ratings

- 1/4" (6mm) tempered glass yields a 31 STC
- 3/8" (10mm) tempered glass yields a 34 STC

Optional Inserts

- Veneer tiles
- Painted tiles
- Switchable glass
- KI Wall approved custom finishes

Electrical

- 810 Electrical System is a UL Listed Manufactured Wiring System evaluated to UL 183
- UL Listed plug and play factory assembled pre-wired electrical solution
- Listed empty electrical box and conduit with pull string

KI WALL

1330 Bellevue Street
Green Bay, Wisconsin 54302
800.424.2432 // kiwall.com

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