

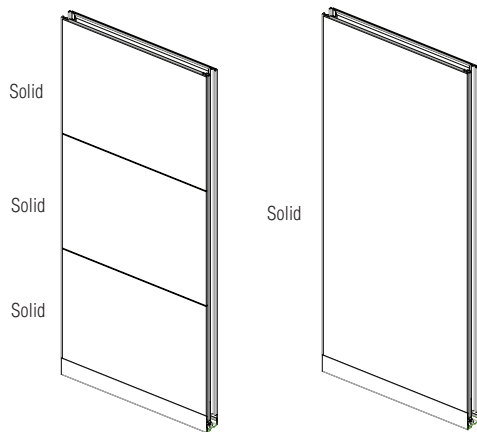
Technical Specifications ■

Genius® Movable Wall Solid Panel

October 2011

KL Genius Wall Highlights

- Movable and reconfigurable.
- Extremely fast installation and reconfigurations.
- 93-99% recyclable (dependant on finish) and Greenguard certified.
- 44 or 48 STC for solid panels...highest in the industry.
- Removable skins to change aesthetic or to access power/cabling.
- Unitized - installs as panels not pieces.
- Slotted uprights on solid panels to accept furniture, overheads.
- Engineered to interface with existing building conditions.
- Highly customizable...not limited to catalog offering.
- Made in the USA (Manitowoc, WI).



COMPONENTS & MATERIALS

Aluminum Extrusions

- Internal framework, flush ceiling track and 4" (101.6mm) or 5" (127mm) overlapping base.
- Architectural grade and structural aluminum alloys.
- Vertical posts manufactured with 1" (25.4mm) on center slotting for hang-on components that can be adjusted vertically.

Finishes

- Powder-coated 22 gauge steel.
- KL Movable Wall standard wallcoverings (Type 2 vinyl and fabrics with backing).
- Other wallcoverings available for use (subject to testing; requires 3 yards for testing).
- Flex wood architectural Grade A veneer applied to MDF; optional stained.
- Markerboard panel shells: backpainted glass, porcelain and laminate (erasable steel).
- Plastic laminate applied to MDF; painted edge.
- Color selection per manufacturer's standard range.
- Custom paint color matches (client approval required).

PVC Components

- Frame connections.
- Glazing gasket on door leaves and transoms with lights.
- Mushroom connection of panel face to aluminum framework.



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Available Substrates

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

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.

Base Track

- Overlapping aluminum base or recessed steel base.
- Steel leveler assembly with vertical adjustment.
- Non-damaging carpet gripper screws.
- Two-sided tape for hard flooring.
- Optional seismic requirements.

Testing and Approvals

- GreenGuard Certified.
- BIFMA X5.6-2003 Functional and Proof Load Approval.
- ICC Approval ER-6090 for seismic.
- CSI Cleanroom 10000/ISO 7 Approved.
- 44 to 48 STC for solid panels per ASTM E-90.
- Class A Flame spread for painted steel per ASTM E84.
- Transverse load test approval per ASTM E72.
- Wood and Door factory FSC certified.

DIMENSIONS & DETAILS

Frame

- Solid panel width: 6" - 60" (152.4 – 1524mm); restricted by wallcovering/substrate width. (vinyl + laminate markerboard + tackable = 48" width or less).
- 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"

Ceiling Track Assembly

- Powder-coated steel recessed ceiling channel with free-float adjustment from top of wall to ceiling sealed with gasket.
- Powder-coated, clear anodized or flex wood flush ceiling channel with free-float adjustment from top of wall to ceiling sealed with gasket.
- Cornice or free-standing solution.

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

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

Other Genius Movable Wall Product Options

- Combination panels.
- Glass panels.
- Horizontal solid and glass panels.
- Facetted panel solutions.
- Clerestory and stack-on options.

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