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Gecko Wall System™ Revised 1.17.13
Gecko DL™ Specification Editorial

PART 1 — GENERAL NOTES TO SPECIFIER:

The following product specification language is intended to assist the design professional in specifying **Gecko DL™** in existing 3-part CSI format specifications for interior wall panel applications using solid phenolic, engineered polymer, and other suitable wall panel materials where zero liftoff, panel demountability, speed of installation, movement allowance, cost, or installation time are of primary importance. Sample specification language is available at the end of this document.

PART 2– PRODUCT:

System description; **Gecko DL™** is an architectural grade reclaimed aluminum-based interior demountable wall panel system. **Gecko DL™** panels click into place easily and accurately- making this an easy choice for panel manufacturers and interior designers. Panels are secured into the aluminum framework via pre-installed reclosable 3M® fasteners with 3-dimensional movement capability so installations flex before accumulating stress. Panel reveals may be set within the system by a strip of the decorative material of your choice or by our patent-pending bright aluminum reveal moldings. GWS standard components accommodate most stable hard-surface type panels, from 1/4" - 3/8" thick.

Gecko DL™ uses few components, making it an extremely robust installation solution for less-trained personnel or remote locations. The J-Channel runs horizontally along the bottom edge to support each panel's weight. Seam Strips run vertically between panels to hold panels at their edges and create support for the decorative reveal molding (if desired). The Reveal molding is set between panels as the installation progresses. For installations with multiple rows; a new Multi-Row Support molding is run along the top edge, and a J-Channel channel is run along the bottom edge for each row to provide overall resemblance to most typical progressive-style installations. This minimalist system covers thousands of installation configurations. The ease, speed, simplicity, and versatility of GWS are unmatched.

SYSTEM FEATURES:

1. Individually demountable panels in a cost competitive installation (EXCLUSIVE)
2. Frameless zero liftoff installation, allowing precise cutouts for wall penetrations (EXCLUSIVE)
3. Three-dimensional panel movement without stress accumulation (EXCLUSIVE)
4. Optional redundant mechanical locking into system (EXCLUSIVE)
5. Installation time reduction of 60-70% per time study vs. Z-clips (EXCLUSIVE)
6. Minimum 70% recycled content on all aluminum components (EXCLUSIVE)
7. Adjustable reveal width in the field (EXCLUSIVE)
8. Mounting of panels as thin as 1/4" without drilling panels (EXCLUSIVE)

PART 3– EXECUTION OVERVIEW:

Gecko DL™ is the only panel mounting solution which is easily fabricated and installed from three stock components. GDL is field-fabricatable. It is very important the each J-Channel is installed level and the wall checked for acceptable flatness prior to panel installation. Installed panels will conceal some out-of-plane and out-of-square issues but it is strongly recommended to start with a good wall surface, and to shim moldings as necessary create a straight line along all GDL moldings. With the J-Channel in place, typically a seam strip is screw-attached to the wall via stud or blocking every 2'- 5' o.c. (per panel width) into stud or blocking behind.

An inverted J-Channel may be used to dress or additionally secure the panel head. Panels are demountably bonded to this aluminum framing via pre-installed reclosable fasteners every 16" o.c. or as required. Reclosable fasteners require 40 # pull force each to disengage, can be reclosed 1,000 times, and are non-load bearing in all installations following GWS guidelines.

PART 4– SPECIFICATION OVERVIEW:

PRODUCT OPTIONS: Aluminum Reveal Molding: bright, black, custom colors.

CLEANING AND WASTE MANAGEMENT: Clean with commonly available surface cleaners and remove any residue. Aluminum scrap can be recycled after removing plastic fasteners with pliers.

Gecko-DL Performance characteristics: Part description	Design	Capability
Std. J-Channel**	Load bearing for panels	30 Lb./ LF panel load
Reveal molding	Flexural seal between panels	.050" movement
Screw lateral load	AWC (1991), 1.25" depth	115 Lbs. each (#8 fastener, min.)
Dimensional Stability	accommodation of linear thermal expansion	0.050"/ 4' minimum
Projection	Addition to total thickness	0.335" (8.5mm)

*AWC results based on the 1991 standard as published by AWC. (www.awc.org). ** Standard J-Channel accommodates 1/4", 5/16", and 3/8" thick Trespa panels and similar.

Material Qualifications

- **Materials Reuse:** 70% post-industrial T-6063 aluminum by weight.
- **Moisture:** Allows for air circulation behind wall panels to help preclude the growth of mold or mildew. Ambient humidity must be controlled within 20% to avoid excessive panel movement.
- **Access:** GECKO -DL allows virtually unlimited access to installed wall panels.
- GECKO -DL COMPONENTS guaranteed safe to be cleaned with:
 - Soapy water
 - Fantastik® Multi-Purpose Cleaner
 - Windex® Multi-Surface Cleaner with Vinegar
 - Formula 409® All Purpose Cleaner
 - Cascade 5% detergent solution
 - Kaboom® with OXI CLEAN Stain Fighter
- GECKO -DL may be sanitized with *Clorox® Anywhere® Hard Surface™ Daily Sanitizing Spray*. (see details from product manufacturer)

Wall Panel Mounting Specification for Gecko DL™:

Wall panels shall be individually demountable, with zero liftoff and flexible joints at panel edges where specified. Panel support framing shall be architectural grade aluminum alloy with minimum 70% recycled content by weight. Wall panels shall have minimum 0.33" air space behind to allow for air circulation behind precluding trapped air from occurring, and be aligned with consistent reveal width across horizontal and vertical joints with internal indexing system across each reveal. Panel weight shall be supported by reclaimed aluminum extrusions. No known VOC materials are to be included in wall panel framing and supports. Panel mounting to accommodate minimum .050" (1.27mm) movement in three-dimension per each panel.