

LINEAR ^{Essential}		PSF (Factored/Ultimate)											
		20	30	40	50	60	70	80	90	100	110	120	180 - 200
O.C. Fastener Spacing	16"												✓
	24"												✓
	32"												✓
	48"												✓
Plank Profiles: LINEAR ^{Essential} 6" & 8" widths													

ADDITIONAL NOTES ON FASTENER SPACING:

LINEAR^{Essential} planks have been tested to withstand pressures up to 180 PSF (Ultimate) utilizing attachment spacing at 48" O.C. Based on this performance, reduced fastener spacings commonly utilized within the industry—including 16", 24", and 32" O.C.—would also satisfy the same 180 PSF design pressure criteria when installed in accordance with applicable project-specific engineering requirements, approved substrates, and ZPS installation guidelines.

ALL SIZES TESTED & PASSED

180 PSF (Ultimate)
Wind Load
at 48" O.C.
ASTM E330



SUBSTRATE TYPE	SUBSTRATE REQUIREMENTS	ANCHOR DESCRIPTION	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD	Min. specific gravity = 0.55 wood	#10 Pan Head Screw	N/A ✗	N/A ✗
STEEL/GIRTS	Min. 18 ga., Min. 33 ksi	#10 Tek Screw (grade 5)		
CONCRETE	Min. 3000 psi	3/16" ITW Tapcon		
MASONRY - CMU	Grout-filled block per ASTM C-90, Min. 2000 psi	3/16" ITW Tapcon		

GENERAL NOTES:

- Adequacy of the structural framing system and supporting substrate as the primary wind force resisting system capable of transferring all applied loads to the building structure is the responsibility of the Engineer or Architect of Record for the project.
- Substrate design, attachment, and anchorage shall be engineered to properly support and transfer all imposed loads from the LINEAR^{Essential} cladding system to the primary structure.
- These details are intended to represent typical installation conditions for the LINEAR^{Essential} plank system and may not reflect all project-specific conditions. Site-specific engineering and detailing by a licensed design professional may be required where conditions differ from those shown.
- Design loads, attachment requirements, and maximum allowable spans shall be determined based on project-specific wind loads, substrate conditions, and applicable building code requirements.
- LINEAR^{Essential} planks are fabricated aluminum cladding components intended for use as a ventilated rainscreen façade system and are not intended to serve as structural or load-bearing elements.
- All materials, fasteners, clips, and associated attachment components shall be compatible with aluminum construction and suitable for the environmental exposure conditions of the project.
- Installation tolerances, thermal movement considerations, and system expansion/contraction requirements shall be incorporated into the final project design and installation methodology.
- Finishes, coatings, and material selections shall be reviewed and approved prior to fabrication.
- Field verification of dimensions, substrate alignment, and supporting conditions shall be completed prior to fabrication and installation of the LINEAR^{Essential} system.
- Installation shall be completed in accordance with current ZPS installation guidelines and approved project-specific shop drawings.