

GMI MECHANICAL FASTENER

PRODUCT DATA SHEET

Description

Designed and engineered for use with polymer based (PB) Exterior Insulation and Finish Systems (EIFS). It allows the attachment of EPS insulation to a variety of substrates, including wood, metal, steel, and masonry.

Fasteners are pre-assembled with galvanized screws that is coupled with a high density, impact resistant two-inch plastic stop washer. The large diameter of the washer provides strong resistance to positive and negative wind loads. The recessed channel with the plastic closures over the top prevent moisture from passing through and prevents thermal bridging.



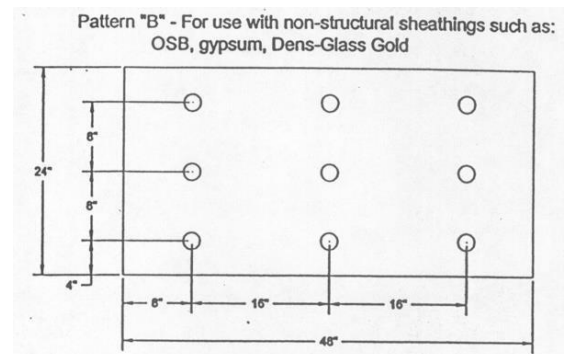
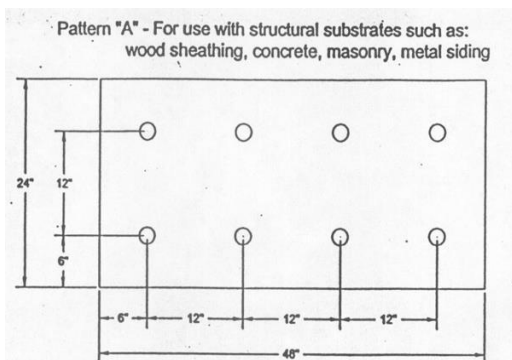
Packaging: Sold in boxes of 500 or 1,000.

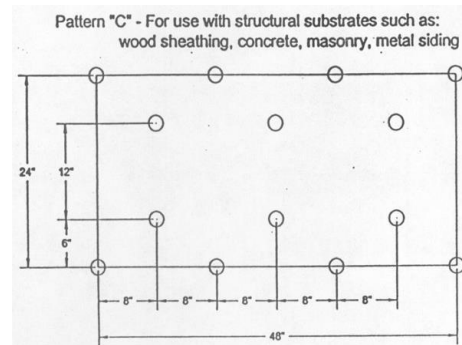
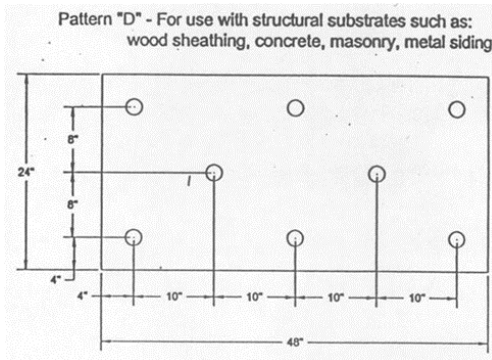
APPLICATION MECHANICAL FASTENERS

- A. Insulation Board - The fastener pattern and insulation thickness determine the maximum allowable wind load. Refer to the below Patterns A, B, and C for typical fastener spacing. The table below should be used as a guide for determining fastener patterns:

EPS Thickness (Inches)	Fastener Pattern	Pressure & Failure (PSF) ¹
1 in (25 mm)	A	70
1 in (25 mm)	C	56
1 1/2 in (38 mm)	A	113
1 1/2 in (38 mm)	B	73

Note: For allowable design wind load, appropriate safety factors must be applied.





Fastener	EPS Foam Thickness	Fasten Pattern/Ultimate Average Wind Load* (psf)			
		A	B	C	D
	1 in (25 mm)	117	88	100	--
	1 1/2 in (38 mm)	130	114	140	--
	2 in (51 mm)	130	129	--	--
	1 in (25 mm)	63	60	--	63
	1 1/2 in (38 mm)	80	88	--	--
	2 in (51 mm)	88	114	--	97

*Loads shown are ultimate loads, appropriate safety factors should be applied to these values for design purposes.
 ** Fastener patterns are examples only.

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