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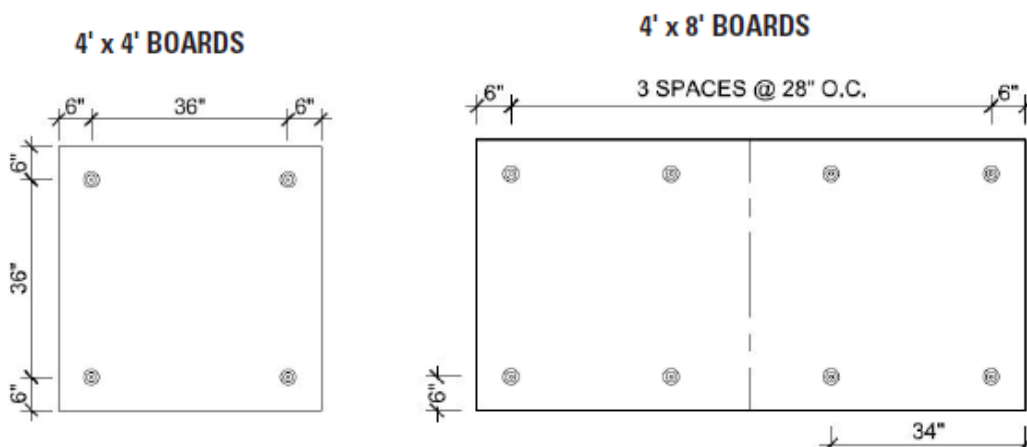
Minimum Required Fastening Patterns for Insulation Boards with Glass-Reinforced Facers under Mechanically Fastened Membranes

Johns Manville is updating the minimum required fastening patterns for Glass-Reinforced Facer (GRF) insulation boards that are **1" thick or less**.

The following requirements represent the minimum fastener and plate attachment criteria for polyisocyanurate insulation boards with **Glass-Reinforced Facer (GRF) that are 1" thick or less**. This includes JM ENRGY 3® and Separator® brand products used under mechanically fastened membranes, please reference product data sheets for more information.

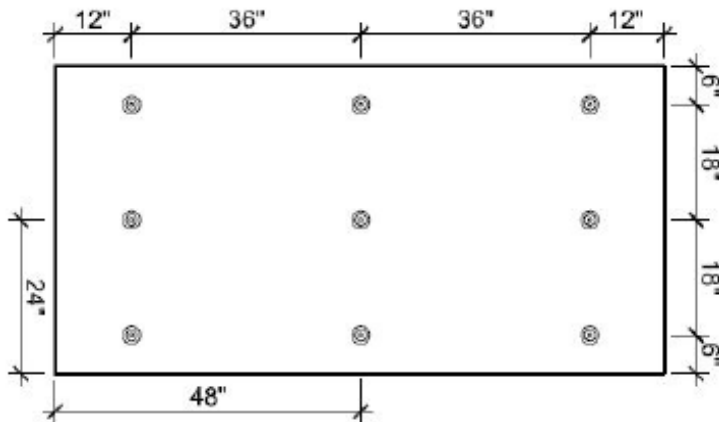
Minimum Fasteners Required for Pre-securement (excludes RhinoBond applications)			
Insulation Type	Thickness	4' x 4' Board	4' x 8' Board
ENRGY 3® Products	1" or Less	4	8
Separator®	0.5"	4	8
Minimum Fasteners Required for JM RhinoBond Systems			
Insulation Type	Thickness	4'x 8' Board	
ENRGY 3® Products	1" or Less	9	
Separator®	0.5"	9	

Minimum required pre-securement pattern when used with a mechanically fastened membrane.



8-Fastener pre-securement pattern does not apply to RhinoBond applications.

Minimum required fastening pattern when used with JM Rhinoplate Fastening System.



Minimum field attachment pattern. Contact your Technical Specialist for membrane fastener requirements.

Again, this change is only applicable to polyisocyanurate insulation boards with **Glass-Reinforced Facer (GRF) that are 1" thick or less.**

The minimum pre-securement pattern for JM cover boards with Coated-Glass Facer (CGF) when used with mechanically fastened membrane remains at (4) per board. This includes ProtectoR® HD and SeparatoR® CGF brand products, please reference product data sheets for more information.

Thank you for your continued business and support of JM products. Please contact your local JM Representative with any questions.

Jeffrey Job
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