

# NOTIFICATION & ACKNOWLEDGEMENT

Pan wave or oil canning is defined as a moderate deformation or buckling of sheet material, particularly common with flat sheet metal surfaces, typically caused by uneven stresses at the fastening points. This terminology also refers to the popping sound made when pressure is applied to the deformed sheet forcing the deformation in the opposite direction. Pan waving can occur in any type of metal panels; steel, aluminum, zinc or copper. Pan waving is synonymous with waviness, elastic buckling, stress wrinkling and oil canning. Commonly the period and amplitude of the wave will become more pronounced as the panel width increases on the flat portion of the panel and/or as the thickness of the panel decreases.

Deformation of the panel can be caused by improper installation or substrate and should be addressed by the contractor. Factors to be considered include deflection due to weather (thermal movement), poorly aligned framing or substrates or poorly aligned fasteners. There are 3 primary panel surfaces used (flat pan, ribbed and striated) and the type of surface design should be strongly considered.

Some considerations should be striating a panel surface. This consists of roll forming “waves” in the panel surface to break up the flat area of the panel surface and help reduce the appearance of oil canning. Generally architects, developers, Fabricators and roofing contractors prefer this design. Additionally, choosing a heavier gauge steel helps the appearance of oil canning.

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In an effort to address pan waving, Premium Panels, Inc and all parties acknowledge that oil canning is an inherent property of metal panels. All parties recognize that striated panels is the better or preferred design to lessen the appearance of oil canning or pan waving over flat panels or ribbed panels which can result in a appearance of pan waving.

By signing this document does not waive the rights or responsibilities of the contractor, architect or manufacturer. Premium Panels, Inc. will address products that don't meet product quality specifications and signatures of this document does not waive any obligation by Premium Panels to meet the requirements.

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Customer Name

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Company name of installer

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Owner Signature

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Architect Signature

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Customer P.O. #

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Premium Panels Sales Order #

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PAN Condition

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