

Oil Canning Informational Bulletin

■ What is Oil Canning?

An appearance of waviness or distortion of the panel in the flat area is known as oil canning. Oil canning is an inherent characteristic of light-gauge, cold formed metal with broad flat areas and is strictly an aesthetic concern and does not diminish the quality of the panel including the panels strength and performance.

■ What causes Oil Canning?

Both internal and external factors can cause oil canning. While this list is not an exhaustive list, it is suggestive of many causes of oil canning and include; the nature of the steel, manufacturing processes, handling of panels, thermal expansion and contraction of metal with temperature change, unevenness of the roof deck, color and gloss type, width of the panel and over driving of fasteners.

■ How Can Oil Canning Be Minimized?

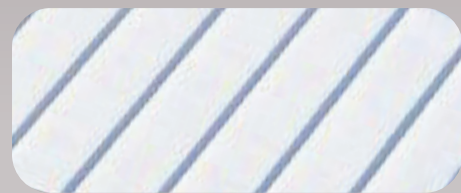
To reduce the appearance of oil canning, choose thicker gauge material and purchase tension-leveled steel/panels. It is recommended to choose to have striations formed into your panel. Striations will break up the flat portions of the panel and minimize the visual perception of oil canning. Choosing a low gloss finish offering less reflection can also minimize the appearance of oil canning. Lastly, it is recommended to follow all manufacturer recommendations regarding proper handling, spacing and fastening of panels.

■ Conclusion

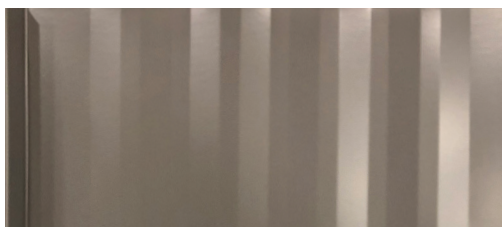
No panel manufacturer, fabricator or installer can guarantee prevention of oil canning on a given project. Following the above recommendations, the tendency of oil canning can be minimized. Oil canning is not considered a reason for rejection.

LEARN MORE ABOUT OIL CANNING

No Oil Canning



Oil Canning



With Striations
Recommended



Flat
Not Recommended

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ORWELL, OH
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HOWE, IN
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BRIDGTON, ME
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