

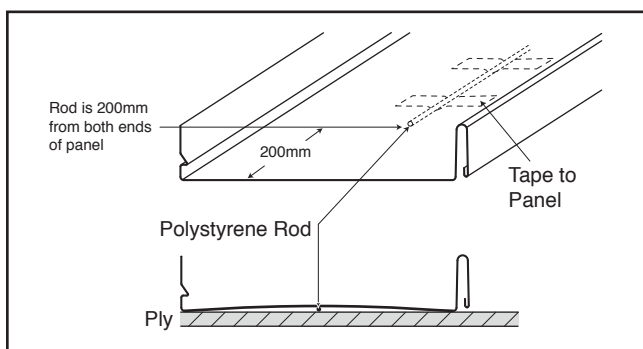
OIL CANNING

JH STEPHENSON CLASSIC EURO PANEL RANGE ROOF OR WALL CLADDING

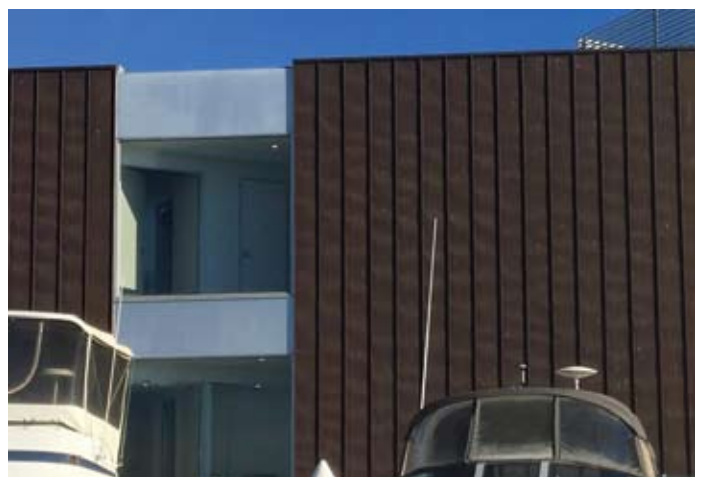
Oil Canning is a characteristic that is inherent in thin gauge ferrous and non ferrous metals. Internal stresses in the material can cause a wavy surface on wide flat panels and cannot be removed during the roll forming process. Oil Canning is more apparent at certain times of the day when direct sunlight can highlight the condition, especially on wide flat pans.

To minimise the effect of Oil Canning the designer should consider the following to get the best aesthetic outcome.

- Battens and substrate must be flat and in one plane to avoid inducing Oil Canning.
- Colour choice. Consider Matt finish or light colours.
- Reduce the pan widths, rather than wide flat pans.
- Short lengths in the vertical plane to recommended maximum lengths, rather than long horizontal runs.
- Fasteners not to be overdriven.
- Use thicker gauge panel material where available.
- Striations to the pan make the pan more rigid.
- Use only experienced, trained installers.
- A polystyrene backing rod or other shimming material can be used over solid substrate to flex the pan uniformly, relieving stress and reducing the visual effect of oil canning.



There are examples of Oil Canning which could be present on your project and, if that effect is not suitable, alternate cladding should be used.



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