



Flush Wall Panel Panel Length Recommendations

CALL US TOLL FREE

(877) 787-5467

WESTERNSTATESMETALROOFING.COM



Flush wall panels are designed to deliver a clean, modern appearance. Due to the nature of light-gauge metal, some level of oil canning (visible waviness) can occur and is considered a normal characteristic of flat metal panels, not a defect.

To help minimize the potential for oil canning, we recommend the following maximum panel lengths:

- 24-gauge steel / .032 aluminum: 10'-0" nominal max length
- 22-gauge steel / .040 aluminum: 20'-0" nominal max length

Panel lengths beyond these recommendations may increase the visibility of oil canning.

For projects where longer panel lengths or large flat surfaces are desired, we strongly recommend incorporating stiffening features such as pencil ribs, striations, or other surface enhancements. These design elements help break up the flat surface and significantly reduce the visual effects of oil canning while maintaining the overall aesthetic.

It's also important to note that oil canning can be influenced by:

- Substrate quality and alignment
- Installation practices
- Handling and job site conditions
- Natural expansion and contraction of the material and envelope.

While we take every step to produce high-quality panels, Western States Metal Roofing does not guarantee oil canning-free material.

Panels ordered beyond the recommended maximum lengths are not the responsibility of Western States Metal Roofing with regard to oil canning, and the customer accepts all associated risk.

