

MESA

*From Top to Bottom . . .
the Industry's
Finest Metal Panel!*

- Galvalume Substrate
- Kynar 500® (PVDF) Coating
- Edge Coating Rust Inhibitor
- .015 Minimum Thickness
- Patent and Copyright Protected

*All this, plus the backing of a 50 year old
family-owned company with a reputation for
putting customers first!*



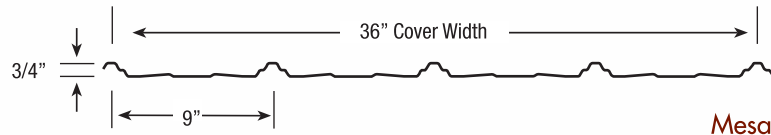
50 years and Growing
Family Owned - Quality Focused





Mesa - The Industry's *Finest* Metal Panel

Mesa, by McElroy Metal, is an excellent multi-purpose metal roof and wall panel that adds beauty and performance to commercial, industrial and residential projects. Mesa's low-profile 3/4" major ribs are roll formed on 9" centers which results in a elegant, aesthetically pleasing roof and wall.



Mesa is a patent and copyright protected panel which means uniqueness and propriety features that can't be matched by other roof and wall panels. One of Mesa's most valuable attributes is a nearly invisible lap so roofs and walls can have a monolithic appearance.

Galvalume Substrate

Mesa is . . . Better from the Base Up!

There are two common substrates – Galvalume® and Galvanized. Research and studies show Galvalume is superior. Galvalume is backed by a 25-year steel mill warranty while Galvanized has no warranty. Galvalume provides a greater service life and superior corrosion resistance because it's chemical composition is an alloy of zinc *plus* aluminium.

To view McElroy's educational video series about substrates, coatings and overall performance, visit:

www.mcelroymetal.com/mcelroy-educational-videos.html

To the right: Galvanized test panel covered in red rust after 18 years in a rural environment.



To the left: Galvalume test panel shows only moderate edge discoloration after 23 years in the same rural environment.

Kynar 500® (PVDF) Coating

Mesa's Performance and Aesthetics for the Long Run . . .

Three types of coatings are available for metal panels - Kynar 500® (PVDF) (best), siliconized polyester (better), and polyester (good). Coatings are ranked by their ability to fight fade and chalk as well as their ability to retain gloss.

Kynar 500® (PVDF) is the best for long service life, color retention and chalk resistance. Selecting Kynar 500® (PVDF) means long-lasting "like new" appearance versus other coatings which can begin to degrade and look aged after a few years.



Building addition dramatically illustrates Kynar 500® (PVDF) superior performance. This building was built in two phases, nine years apart. Note, no color difference in the two halves of the roof. No fade! No chalk!



Both Kynar 500® (PVDF) and Siliconized Polyester panels were installed on this Louisiana residence.

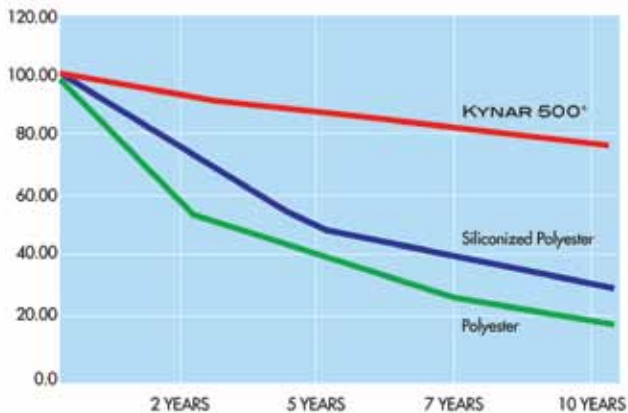
On day one, colors were identical. Photo taken less than eight (8) years later shows fading and chalking of the lighter Siliconized Polyester panels. Note, no fade or chalking of the darker Kynar 500 panels.



Mesa - Gloss Retention

As this chart below indicates, Kynar 500® (PVDF) gloss retention is far superior to lesser quality coatings. The end-result is a project that retains that shiny, brand new appearance years after installation.

Percentage of Gloss Retention



Edge Coating Rust Inhibitor

Making the Best as Good as it Can Be!

McElroy's extra process efforts will enhance the normal performance, quality and longevity of your McElroy Mesa panel. Some of the processes include:

EDGE-RUST INHIBITOR

A special clear, rust inhibitor is factory-applied to the cut ends of each Mesa panel. This inhibitor deters rusting of the exposed edge.

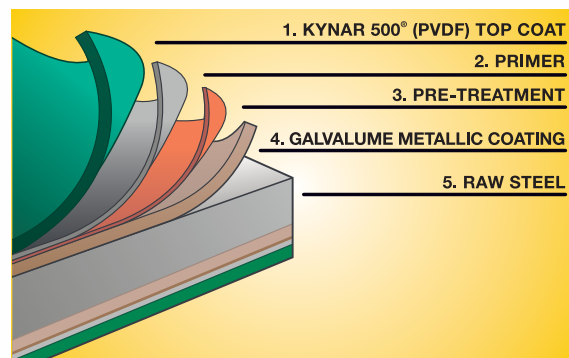


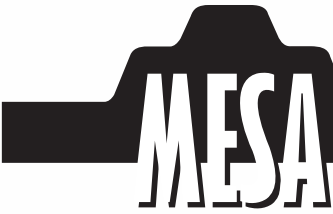
Environmental tests show extensive corrosion along cut end of panel without Edge-Rust Inhibitor.



Minimal corrosion is detected along cut end of panel with Edge-Rust Inhibitor application.

MESA - LAYERS OF PERFORMANCE





Mesa's Steel Coil Specifications

McElroy Metal purchases raw material (steel coil) from steel mills under exacting specifications. Industry standards require coil to be ordered via decimal thickness, which represents gauge. In the case of 29 gauge Mesa, McElroy Metal orders with specifications requiring an .015" MINIMUM steel thickness. By contrast, many competitors' 29 gauge panels are ordered with .0142" minimum, or even nominal, thickness specifications. The end result is a Mesa panel that is *at least* 5% thicker, which results in greater rigidity and enhanced handling capabilities.

29 GA.

.015"
MINIMUM

versus

.0142"
NOMINAL



Made in the USA

Foreign steel is very common in the metal panel industry. However, you can rest assured that . . .

Mesa is manufactured from steel made in the USA!

Mesa Details



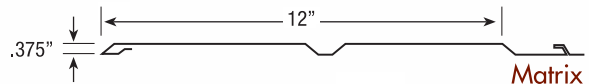
Mesa is a low profile 3/4" panel that is well suited for commercial, agricultural and residential applications. With copyright and patent protection, Mesa takes Post Frame Construction to a higher level . . .

- Minimum Slope 1:12 (with sealant)
- Patent and Copyright protected
- Nearly Invisible Lap
- Ideal for Post Frame Structures and Residential Roofing

MATRIX SOFFIT SYSTEM



Matrix soffit system will add an elegant touch to any Mesa project. Matrix panels are easy to install. And to minimize on-site labor, McElroy Metal inventories 11.5" and 23.56" length panels.



Substrate:

- Standard 29 Gauge Galvalume
- Optional 24 Gauge Galvalume

- Panel Width: Only Available in 12"
- Panel Configurations: Flat Pan or Vented
- Coating: Kynar 500® (PVDF)



For more information:

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