

A First Place Metal Finish

# Pick The Winner!

*MS Colorfast45™*



**metal sales**  
manufacturing corporation



# MS Colorfast45™

## THE INDUSTRY FRONT RUNNER

**45 Year**  
**DURABILITY**  
Warranty

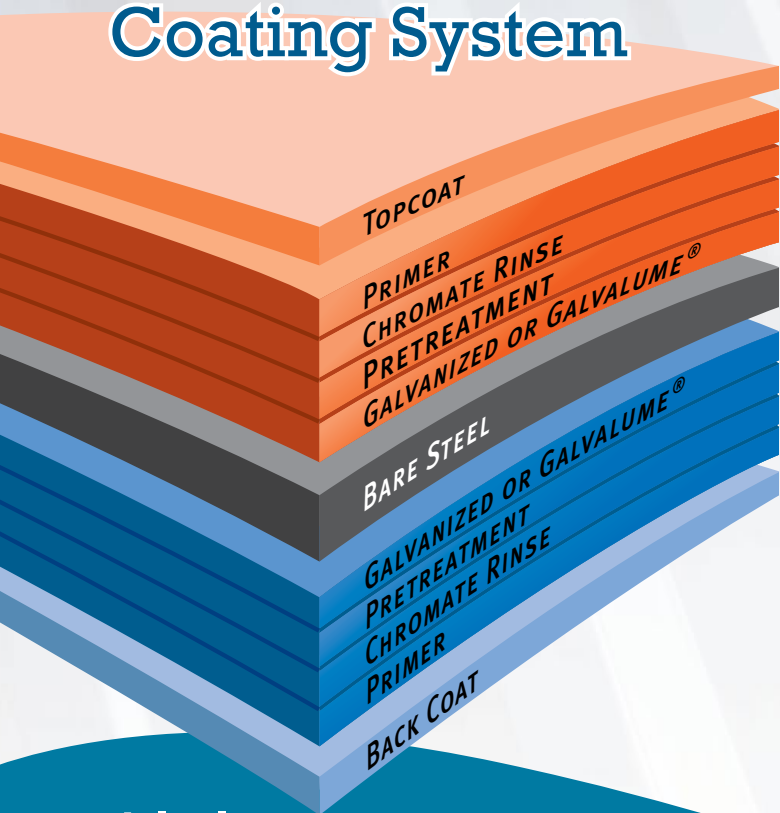
A long distance runner, MS Colorfast45™ performance will win any race against the sun, weather and pollution. It is warranted against blistering, cracking and peeling for 45 years. Visit [www.metalsales.us.com](http://www.metalsales.us.com) for complete warranty details.

This long lasting, extremely durable, maintenance-free steel panel coating will keep you ahead of the pack for 45 years. It's the best of breed in premium silicone modified polyester performance. With superior chalk and fade resistance, it is warranted against blistering, cracking

and peeling for 45 years. This level of performance has never before been possible in an SMP finish.

Stocked in more than thirty colors, MS Colorfast45™ finished panels are only available from Metal Sales Manufacturing Corporation.

## MS Colorfast45™ Coating System



MS Colorfast45™ runs much deeper than a surface coat; its superior performance is a result of a multilayered thermoset coating system; each component layer providing a unique performance characteristic.

**Topcoat** | Premium SMP for color durability, gloss retention and hardness, resists atmospheric staining

**Primer** | Polyurethane OPTIMA HP, UV and moisture resistant, key component to product longevity

**Chromate Rinse** | Acts as a sealer providing additional corrosion protection

**Pretreatment** | Promotes adhesion, moisture and corrosion resistance

**Galvanized or Galvalume®** | Metallic coating barrier protection on base steel, inhibits corrosion

**BARE STEEL** | Mill certified meeting ASTM standards

**Galvanized or Galvalume®**

**Pretreatment**

**Chromate Rinse**

**Primer**

**Back coat** | Finish coat on backside, covers primer and insures consistent color

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**30 Year**  
**COLOR PERFORMANCE**  
 Warranty

New Panel ————— Minimal Fade over Time —————>


**MS COLORFAST45 FADE PERFORMANCE CHART**

*Based on extreme, real outdoor, south Florida exposure performance data, not simply accelerated laboratory tests. Exposure conditions in more northerly climates will likely demonstrate greater performance (less fade). This chart is a mechanical representation and may vary slightly from actual test panels.*

**FIVE YEAR FADE COMPARISON**

Metal Sales		Others	
New		New	

*MS Colorfast45 5 year fade result*      *Typical 5 year fade with SMP coatings used by others*

MS Colorfast45™ uses premium ceramic and inorganic pigments and high resin content in its formulation to minimize color fade and chalking due to exposure to nature’s elements. As a result color performance is warranted for a full 30 years in accordance with ASTM test standards. All metal panel finishes will fade over time. However, panels from Metal Sales Manufacturing Corporation with MS Colorfast45™ will look almost as good at the finish line as they did right out of the starting gate. Visit [www.metalsales.us.com](http://www.metalsales.us.com) for complete warranty details.

**Cool Roofing**

Reduce building energy use by up to 50% with select MS Colorfast45™ colors

Metal Sales recognizes that architects and consumers are becoming more and more concerned with ways of making their building project more energy efficient. Many of Metal Sales’ MS Colorfast45™ colors are Energy Star® certified. They use special pigments for solar reflectance to meet Energy Star guidelines. These

Metal Sales roof panels are “Eligible Building Envelope Components” that qualify for tax credits for consumers and LEED (Leadership in Energy and Environmental Design) credits for architects. See [www.metalsales.us.com](http://www.metalsales.us.com) for complete details and certificates.





**M**etal Sales offers a complete line of metal roof, wall, and fascia panel systems for the commercial, architectural, industrial, residential, and agricultural markets. Metal Sales offers over 75 profiles with a wide selection of widths, colors, and gauges readily available for new construction or retrofit from 19 convenient locations across the country.

**For more information, visit the website at [www.metalsales.us.com](http://www.metalsales.us.com) or contact Metal Sales, 800-406-7387.**

## Test Performance & Specifications

### MS Colorfast45 Formulated for the 21<sup>st</sup> Century

**Humidity Resistance** - No blistering, cracking, peeling, loss of gloss or softening of the finish after 1200 hours of exposure to 100% humidity at 100°F ±5°F, per ASTM D 2247.

**Chalk Resistance** - No chalking greater than 8 rating on vertical applications (7 rating on non-vertical applications) per ASTM D 4214-89, Method A test procedure, after 2000 hour weatherometer test.

**Color Change** - Finish color coat change not to exceed 5 Hunter units on vertical applications (6 rating on non-vertical applications) per ASTM D 2244 test procedure, after 2000 hour weatherometer test.

**Exterior Weathering** - Florida exposure (45° south) and EMMAQUA testing, per ASTM D 4141, Procedure C, both confirm superior exposure characteristics of MS Colorfast45.

**Abrasion Resistance** - Per ASTM D 968, Method A, MS Colorfast45 will pass 30 liters/mil, minimum of falling sand.

**Salt Spray Resistance** - Samples diagonally scored and subjected to 5% neutral salt spray per ASTM B 117, then taped with cellophane tape: 1000-hours-no blistering, and no loss of adhesion greater than 1/8" from score line. Samples taped 1 hour after removal from test cabinet.

**Chemical Resistance** - No significant color change after 24 hours exposure to 10% solutions of hydrochloric and sulfuric acids, per ASTM D 1308, Procedure 72, after 2000 hour weatherometer test.

**SEE [WWW.METALSALES.US.COM](http://WWW.METALSALES.US.COM) FOR COMPLETE SPECIFICATIONS, TEST DATA AND WARRANTIES.**

### METAL SALES MANUFACTURING BRANCH LOCATIONS

Longmont, Colorado  
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800.394.4419

Jefferson, Ohio  
800.321.5833

Independence, Missouri  
800.747.0012

Sellersburg, Indiana  
800.999.7777

Rogers, Minnesota  
800.328.9316

Antioch, Tennessee  
800.251.8508

Spokane, Washington  
800.572.6565

Kent, Washington  
800.431.3470

New Albany, Indiana  
812.944.2733

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800.747.1206

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Temple, Texas  
800.543.4415

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Fontana, California  
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