



Sheffield Metals International

A MAZZELLA COMPANY

CLEVELAND: 800.283.5262

ATLANTA: 800.929.9359

DALLAS: 877.853.4904

DENVER: 877.375.1477

SAN JOSE: 408.916.3262

www.sheffieldmetals.com

SPEC DATA

1. PRODUCT NAME

COOLR Kynar 500® / Hylar 5000® Coated Galvalume Steel or Aluminum, Architectural Sheet Metal, Flashing, Roofing

2. MANUFACTURER

Sheffield Metals International

5467 Evergreen Parkway
Sheffield Village, OH 44054
Phone: 800-283-5262
Fax: 440-934-8506

3. PRODUCT DESCRIPTION

Structural Grade 50, extra smooth, Galvalume steel or Aluminum, coated with 70% Kynar 500 / Hylar 5000 fluorocarbon coating, 1.0 ± 0.1 mil total dry film thickness including primer. The reverse side is coated with a primer and off white backer with a total of .5 mil dry film for additional protection. A strippable film is available upon request to protect the finished surface during shipping, handling and fabrication. **(The protective film must be removed immediately after installation.)**

Basic use COOLR is manufactured for use in general building applications, such as copings, gravel stops, flashings, mansards, fascia's, soffits, standing seam, batten seam and flat seam roofing applications.

Limitations: Because COOLR is a prefinished material, care must be exercised during fabrication and erection to avoid damage to the surface. The performance of the material in the field depends substantially on the integrity of the paint film, and in Galvalume steel, on the underlying coating of aluminum-zinc being intact. Care must be taken to avoid scratching or marring the finish. Therefore, COOLR should not be used in areas of high abrasion or where it will be subject to mechanical damage.

Composition and Materials:

COOLR consists of Structural Grade 50 Galvalume steel of prime quality manufactured per ASTM A 792 or Aluminum Association specification sheet, alloy and temper 3003-H14 or 3105 H-14, as manufactured per ASTM B 209, coated with 70% Kynar 500 / Hylar 5000 (polyvinylidene fluoride resin) fluorocarbon applied over an appropriate primer. An exterior off white backer coat is applied to the reverse side for additional protection.

Sizes: Galvalume steel is available in 24 GA, 48" sheet and in 48", 44", 40", 24", 22", 20" and 16" standard coil widths. 22 GA. bare steel is available to paint in 44" and 48" coils. Galvalume steel is available in 26 GA in 48" sheet and in 48", 40", 24", 20" and 16" standard coil widths. Aluminum is available in .032 48" sheet and 48", 40", 23.75", 20" and 15.833" standard coil widths. Aluminum is available in .040 and .050 48" sheet and 48", 23.75" and 15.833" standard coil widths.

Colors: There are 44 standard colors: Aged Copper, Ash Gray, Burgundy, Champagne Metallic, Charcoal gray, Colonial Red, Copper Metallic, Dark Bronze, Dove Gray, Evergreen, Hartford Green, Hemlock Green, Mansard Brown, Matte Black, Medium Bronze, Patina Green, Pre-weathered Galvalume, Regal Blue, Regal Red, Regal White, Sandstone, Sierra Tan, Silver Metallic, Slate Blue, Slate Gray, Solar White, Stone White, Surrey Beige, Terra Cotta, Cor-Ten AZP® Raw, Copper-Ten™ Raw, Galv-Ten™ Raw.

26 GA Low Gloss Colors: Antique Black, Black, Burgundy, Colonial Red, Dark Bronze, Dark Gray, Evergreen, Regal White, Seal Brown, Sierra Tan, Slate Gray, Terra Cotta. Custom colors are available in both steel and aluminum.

Finish: Smooth, dull matte, low to medium gloss, depending on color.

Applicable Standards: ASTM A 792 structural quality steel, sheet and coil, coated (Galvalume) by the hot dipping process or ASTM B 209 Aluminum sheet 3105-H24 alloy and temper.

4. KYNAR PAINT TECHNICAL DATA

- ASTM D 968, Method A - Abrasion / Falling Sand
- ASTM D 4587 & ASTM G 154 - Accelerated Weathering
- ASTM D 3359, Method B - Adhesion of Coating by Tape Test
- ASTM D 1308 - Chemical Pollution
- ASTM B 117 - Salt spray
- ASTM D 5894 - Cyclic Salt Fog UV
- ASTM G 7 - Exterior Durability
- ASTM D 4145 - Flexibility T-Bend
- ASTM D 522 - Formability



- ASTM D 4585 - Humidity, Cleveland Condensing
- ASTM D 2247 - Humidity
- ASTM D 2794 - Impact Resistance
- ASTM D 3363 - Pencil Hardness
- ASTM D 523 - Specular Gloss
- ASTM E 84 - Surface Burning
- ASTM D 1735 - Water Resistance of Coating using Fog Apparatus
- ASTM D 822, G 152 & G153 - Weatherometer

Test results available upon request.

5. INSTALLATION

Install using Sheffield Metals International's recommended installation details.

6. WARRANTY

A 35 Year, non-prorated paint warranty covering color fade, chalking and film integrity is available at no additional cost and is issued on a per project basis upon request. A 25 Year 6 month, Galvalume warranty covering corrosion is available at no additional cost and is issued on a per project basis upon request. A 5 - 35 year Standard Weathertight Warranty and a 10 - 35 year No Dollar Limit Warranty is available for a fee on a per project basis. A Weathertight Warranty application must be submitted to Sheffield Metals International's Technical Department for approval prior to installation of the roof system, warranty terms are in 5 year increments.



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