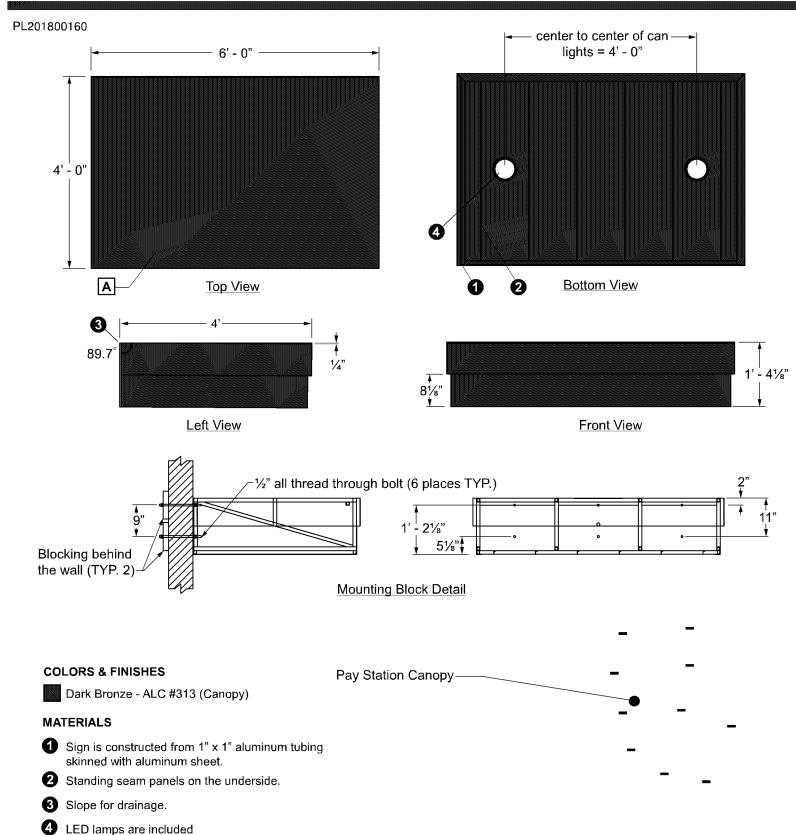
EXTERIOR SIGNAGE

DDIVE THOU



NSS#: 90013783



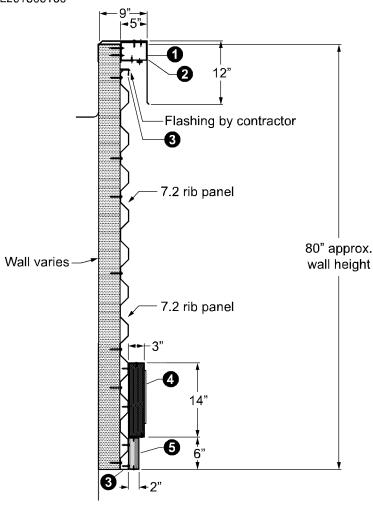
rev 4/16

\*Mounting hardware and mounting template included

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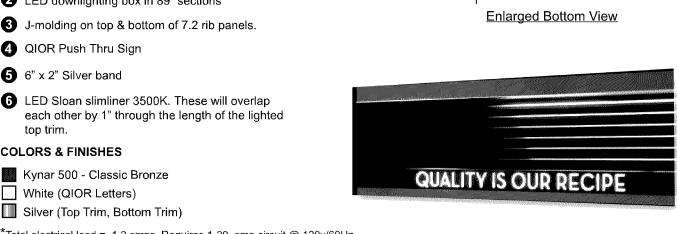


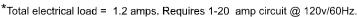
# **MATERIALS**

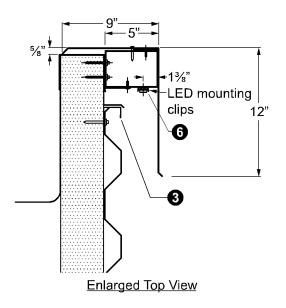
- 12" high top trim in 120" sections.
- 2 LED downlighting box in 89" sections
- **3** J-molding on top & bottom of 7.2 rib panels.
- 4 QIOR Push Thru Sign
- 6" x 2" Silver band
- 6 LED Sloan slimliner 3500K. These will overlap top trim.

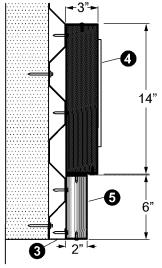
## **COLORS & FINISHES**

- Kynar 500 Classic Bronze
- Silver (Top Trim, Bottom Trim)











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# TOP CANOPY WITH BACKER

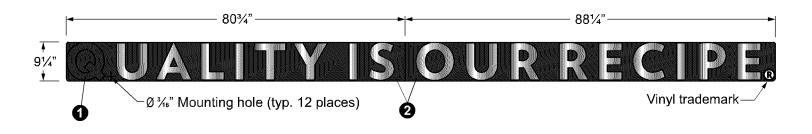
REFRESH PRODUCTS

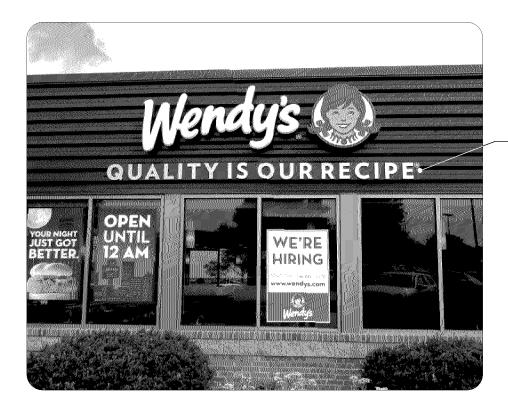


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10.34 sq. ft. actual size.





Top Canopy with backer

End cap to enclose backside and prevent nesting birds—

# **MATERIALS**

- 1 3/4" thick PVC letters.
- 2 1/8" thick aluminum backer panels.

### **COLORS & FINISHES**

- Brushed aluminum
- Painted to match Kynar 500 Classic Bronze

National Sign Systems™

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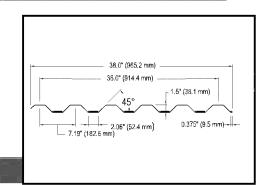
# **TECHNICAL INFORMATION SHEET**



# UNA-CLAD™ VR-Classic Omega

# **Item Description**

Corrugated Panel for Commercial-Industrial Metal Roofing and Wall Cladding



# **Product Information**

# **Description:**

Firestone UNA-CLAD VR-Classic Omega Roofing Panel is a factory formed corrugated commercial-industrial metal roof and wall panel that provides a traditional metal panel appearance. The VR-Classic Omega roofing panel is mechanically fastened with exposed fasteners and can be installed in a non-sequential pattern. The panel is available in a wide variety of materials and finishes including Kynar 500®/Hylar 5000™ pre-finished G-90 Galvanized Steel and Aluminum, Anodized and Mill Finish Aluminum, and Acrylume.

# **Method of Application:**

- 1. Firestone VR-Classic Omega panels may be installed in a non-sequential pattern over a solid substrate or open framing.
- Application of a Firestone approved underlayment prior to panel installation over a solid substrate is recommended.
   NOTE: Install assembly according to Firestone Metal Design and Application Guides found on the Firestone website. Follow approved installation details.

# Storage:

- Firestone metal panels should be stored in a well ventilated, dry place where no moisture can contact them. Moisture (from rain, snow, condensation, etc.) trapped between layers of material may cause water stains or white rust, which can affect the service life of the material and will detract from its appearance.
- If outdoor storage cannot be avoided, protect the panels with a ventilated canvas or waterproof paper cover. Do not use plastic, which can cause condensation. Keep the material off the ground in an inclined position with an insulator such as wood. Protective film may degrade or become brittle with long term exposure to direct sunlight.

# **Precautions:**

- Oil canning is not a cause for rejection. Heavier gauges, narrower widths, striations, and embossing minimize oil canning.
- Sealant for end laps and lap joints shall be non-drying, non-toxic, and non-shrinking with a serviceable temperature of -60 to 212 °F (-51 to 100 °C).
- Quality, long-life butyl sealants work best as a gasket sandwiched between two pieces of metal. Non-acetic cured silicone color matching sealants are recommended when voids must be filled. Sealants are not a substitute for proper assembly and workmanship. Inside and outside foam closures are recommended at panel ends.
- Exercise caution when lifting, moving, transporting, storing or handling Firestone metal to avoid possible physical damage.
- Refer to Safety Data Sheets (SDS) for safety information.
- Immediately remove protective film after installation.

### **LEED®** Information:

Post Consumer Recycled Content: 0% Post Industrial Recycled Content: 0%

Manufacturing Location: Anoka, MN

\*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.



Firestone Building Products | Sales: (800) 428-4442 | Technical (800) 428-4511 | www.firestonebpco.com



PL201800160

# UNA-CLAD™ VR-Classic Omega

Product Data	
Panel Type:	Commercial-Industrial
Joint Designs:	Over Lapping
Tapered Panels	No
Radiused:	No
Standard Panel Surface:	Smooth
Optional Panel Surface:	Stucco Embossed
Substrate:	Solid Substrate or Open Framing

Product Size	
Panel Width:	38" (965.2 mm) 36" (914.4 mm) Net Coverage
Minimum Panel Length:	14" (355.6 mm)
Maximum Panel Length:	480" (12.19 m)

Technical Informat	ion
Fire Rating :	UL Class A Rated Assemblies UL 263, UL 790
Hail Rating:	Class 4, UL 2218

**NOTE:** Testing is not applicable for all combinations of substrates, materials, and dimensions. All construction assemblies must be installed in accordance with the tested assembly. Please refer to the Metal Code Approval Guide on the Firestone website for tested assemblies and code listings.

Please contact your Building Systems Advisor for warranty requirements and additional Information.

Typical Properties		
Material and Thickness	Metal Specification:	Available Finishes:
Aluminum	Base Metal: Aluminum Minimum Yield: 21 KSI (145 MPa) Thermal Expansion: 12.6 x 10 <sup>-6</sup> in/in/ °F (22.2 m/m.K x 10 <sup>-6</sup> ) Mod. Of Elasticity: 10.0 x 10 <sup>3</sup> x KSI (68.9 MPa)	Anodized Kynar 500®/Hylar 5000® Unpainted/Mill Finish
0.032" (0.81 mm) 0.040" (1.02 mm)		
Galvanized Steel	Base Metal: AISI-G90 Galvanized steel	
24 ga. (0.64 mm) 22 ga. (0.79 mm)	Minimum Yield: 33 to 45 KSI (227 to 310 MPa) Thermal Expansion: $06.7 \times 10^{-6}$ in/in/ °F (13.9 m/m.K x $10^{-6}$ ) Mod. Of Elasticity: $29.0 \times 10^{6}$ x KSI (200 GPa)	Kynar 500®/Hylar 5000® Unpainted G90
Galvalume® Steel	Base Metal: AZ-55 Hot Dipped Galvalume	
24 ga. (0.64 mm) 22 ga. (0.79 mm)	Minimum Yield: 50 KSI (345 MPa) Thermal Expansion: 06.7 x 10 <sup>-6</sup> in/in/ °F (13.9 m/m.K x 10 <sup>-6</sup> ) Mod. Of Elasticity: 29.0 x 10 <sup>6</sup> x KSI (200 GPa)	Acrylume® – Clear Acrylic Coated

NOTE: For standard color selection, consult the current UNA-CLAD Color Selection Guide. Custom color services are available upon request. Consult the current base metal Sheet & Coil TIS for additional information on the base metal and coating. Not all materials and thicknesses are available from all locations.

Please contact Quality Building Services Technical Department at 1-800-428-4511 for further information.

This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.

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TIS # 2025



### PL201800160

# METAL PAINT FINISH LIMITED WARRANTY

Square Footage:

s.f.

Warranty No: **Building Owner: Building Identification: Building Address: Warranty Period Of: Roofing Contractor:** 

For the warranty period indicated above, Firestone Building Products Company ("Firestone"), a division of BFS Diversified Products, LLC, an Indiana limited liability company, warrants to the Purchaser that, subject to the Jerms, Conditions and Limitations set forth below, the exterior paint finish ("Finish") on the UNA-CLAD brand coil-coated metal ("UNA-CLAD Metal") supplied by Firestone as part of the Firestone Project (FBPCO) Number listed above, will not exhibit the following exterior surface conditions, measured at the values listed below by Group: 1) Peeling, checking or cracking, except for cracking or cracking that may occur on formed edges or bends of the metal roofing panels and trim, 2) Chalking in excess of a numerical rating, Vertical and Non-Vertical, listed below, when measured in accordance with ASTM D 4214 "Standard Methods of Evaluating Degree of Chalking of Exterior Paints," for a term not to exceed thirty (30) years, or 3) Fade or change in color in excess of the Vertical rating listed below in color difference units, as measured on exposed surfaces which have been cleaned of external deposits and chalk and the corresponding values measured on the original or unexposed painted surfaces when tested in accordance with ASTM D 2244 3.7.1 and 3.8.4, "Standard Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates," for a term not to exceed thirty (30) years.

#### TERMS, CONDITIONS AND LIMITATIONS

Group, 1: Adhesion - 35 years, Chalk - 30 years at 8, Fade - 30 years at 5: Almond, Bone White, Cityscape, Colonial Red, Hartford Green, Hemlock Green, Mansard Brown, Medium Bronze, Patina Green, Regal Blue, Sandstone, Sherwood Green, Sierra Tan, Sky Blue, Slate Gray, Stone White, Terra Cotta, Tropical Patina, Champagne Metallic, Classic Copper, Silver

Group 2: Adhesion 35 years, Chalk – 30 years at 8, Fade – 30 years at 7: Charcoal Gray, Dark Bronze, Dark Ivy, Extra Dark Bronze, Teal Group 3: Adhesion – 35 years, Chalk – 20 years at 8, Fade – 20 years at 9: Brandywine, Matte Black, Regal Red, Electric Blue, Award Blue

FBPCO #

- Product Usage. This Metal Paint Finish Limited Warranty (the "Limited Warranty") is limited exclusively to metal roofing panels and trim fabricated from UNA-CLAD Metal and installed
- in accordance with Firestone technical specifications.

  2. Notice. In the event any peeling, checking, cracking, chalking, fading or excessive color change are observed by the Purchaser, the Purchaser must give notice in writing or by telephone to Firestone within thirty (30) days of any such observation. Written notice may be sent to Firestone at the street address or fax number shown on the reverse side of this Lin Warranty. By so notifying Firestone, the Purchaser authorizes Firestone or its designee to investigate the surface condition of the UNA-CLAD Metal.

  3. Investigation and Remedy. If upon investigation, Firestone determines that the surface condition of the UNA-CLAD Metal is not excluded under the Terms, Conditions and Limitations
- set forth in this Limited Warranty, the Purchaser's sole and exclusive remedy and Firestone's total liability shall be limited to the refinishing of the UNA-CLAD Metal as determined by Firestone to require refinishing. Any and all refinishing work so performed by Firestone in compliance with this warranty shall be performed by using any standard finishing practices and materials. If the investigation reveals that the surface condition of the UNA-CLAD Metal is excluded under the Terms, Conditions and Limitations, the Owner shall be responsible for payment of the
- investigation costs. Failure by Purchaser to pay for these costs shall render this Limited Warranty null and void.

  4. Disputes. Any dispute, controversy or claim between the Purchaser and Firestone concerning this Limited Warranty shall be settled by mediation. In the event that the Purchaser and Firestone do not resolve the dispute, controversy or claim in mediation, the Purchaser and Firestone agree that neither party will commence or prosecute any suit, proceeding, or claim other than in the courts of Hamilton County in the state of Indiana or the U.S. District Circuit, Southern District of Indiana, Indianapolis Division. Each party irrevocably consents to the jurisdiction and venue of the above-identified courts.

- and venue of the above-identified courts.

  5. Paint Finish Colors. This warranty shall extend only to standard colors identified as such in Firestone published literature at the date of issuance of this Limited Warranty or as approved in writing by Firestone. Colors identified as "metallic" by Firestone are not warranted against fade or change in color.

  6. Payment Required. Firestone shall have no obligation under this Limited Warranty unless and until Firestone has been paid in full for all materials, supplies, services, approved written change orders, warranty costs and other costs which are included in/or incidental to, the fabrication and installation of the UNA-CLAD Metal.

  7. Exclusions. Firestone shall have no obligation under this Limited Warranty, or any other liability, now or in the future if peeling, checking, cracking, chalking, fading or excessive color change of the UNA-CLAD Metal is caused by: (a) Natural forces, disasters, or acts of God including, but not limited to wind, hurricanes, tornadoes, hail, wind-blown debris, lightning, earthquakes, volcanic activity, atomic radiation, insects or animals; (b) Any act(s), conduct or omission(s) by any person, or act(s) of war, terrorism or vandalism, which damage the UNA-CLAD Metal (c) Failure by the Purchaser to use reasonable care in maintaining the UNA-CLAD Metal, said maintenance to include, but not limited to those items listed in the "Firestoner / UNA-CLAD Paint Finish Cleaning and Maintenance Guide" on the reverse side of this Limited Warranty; (d) Deterioration or failure of building components, including, but not limited to, the roof substrate, walls, mortar, HVAC units, etc.; (e) Condensation or moisture infiltration in, through, or around the walls, copings, rooftop, hardware or equipment, building structure or underlying or surrounding materials; (f) Any acid, oil, harmful chemical, chemical or physical readion and their key which comes in contact with the UNA-CLAD Metal, including but not limited to chemical or surrounding materials, (f) Any acid, oil, harmful chemical, chemical or physical reaction and the like which comes in contact with the UNA-CLAD Metal, including but not limited to chemical fumes, salt water spray or any installation within 1500 feet of a saltwater environment, surface temperatures that exceed 200 degrees Fahrenheit, airborne sand abrasion, metal shavings, standing water or the continuous spray of water (h) Alterations or repairs to the metal roofing panels and trim not approved in writing by Firestone; (i) Any failure caused by the attachment or mounting of any item or device to or near the metal roofing panels and trim, or by improper handling during fabrication and installation, including but not limited to, improper equipment fabrication, storage, transportation, erection, placement or failure to immediately remove strippable protective film coatings; (j) Failure to give proper notice as set forth in paragraph 1(a) above; (k) any punched or vented steel.
- <u>Transfer.</u> This Limited Warranty shall be transferable subject to Firestone's inspection and written approval, and to Purchaser's payment of the current transfer fee set by Firestone.

  <u>Term.</u> The term of this Limited Warranty shall be for the period set forth above and such term shall not be extended under any circumstances.
- 10. Access. During the term of this Limited Warranty, Firestone's designated representative or employees shall have free access to the UNA-CLAD Metal during regular business hours. In the event that access is limited due to security or other restrictions, Purchaser shall reimburse Firestone for all reasonable cost incurred during inspection and/or refinishing of the UNA-CLAD Metal that are due to delays associated with said restrictions. Owner shall be responsible for the removal and replacement of ay overburdens, superstrata or overlays, either permanent or temporary, as necessary to expose the UNA-CLAD Metal for inspection and/or refinishing.

  11. Waiver, Firestone's failure to enforce any of the terms or conditions stated herein shall not be construed as a waiver of such provision or of any other terms and conditions of this
- Governing Law. This Limited Warranty shall be governed by and construed in accordance with the laws of the State of Indiana without regard to that State's rules on conflict of laws. Severability. If any portion of this Limited Warranty is held by a court of competent jurisdiction to be invalid, void of unenforceable, the remaining provisions shall nevertheless continue in full force

FIRESTONE DOES NOT WARRANT PRODUCTS INCORPORATED OR UTILIZED IN THIS INSTALLATION THAT WERE NOT FURNISHED BY FIRESTONE. FIRESTONE SPECIFICALLY DISCLAIMS LIABILITY UNDER ANY THEORY OF LAW ARISING OUT OF THE INSTALLATION OF, PERFORMANCE OF, OR DAMAGES SUSTAINED BY OR CAUSED. BY, PRODUCTS NOT FURNISHED BY FIRESTONE

THIS LIMITED WARRANTY SUPERSEDES AND IS IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND FIRESTONE HEREBY DISCLAIMS ALL SUCH WARRANTIES. THIS LIMITED WARRANTY SHALL BE THE OWNER'S SOLE AND EXCLUSIVE REMEDY AGAINST FIRESTONE, AND FIRESTONE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL, INCIDENTAL OR OTHER DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS OR DAMAGES TO THE BUILDING OR ITS CONTENTS OR THE ROOF DECK. THIS LIMITED WARRANTY CANNOT BE AMENDED, ALTERED OR MODIFIED IN ANY WAY EXCEPT IN WRITING SIGNED BY AN AUTHORIZED OFFICER OF FIRESTONE. NO OTHER PERSON HAS ANY AUTHORITY TO BIND FIRESTONE WITH ANY REPRESENTATION OR WARRANTY WHETHER ORAL OR WRITTEN

FIRESTON By:	IE BUILDING PRODUCTS COMPANY, LLC
Authorized Signature: Title:	



### FIRESTONE / UNA-CLAD PAINT FINISH CLEANING AND MAINTENANCE GUIDE

Although UNA-CLAD factory-applied finishes are extremely durable, a periodic cleaning to remove build-ups of resins and other residue is a good idea to extend coating life. A variety of methods for removal of surface deposits are available. Simple washing with plain water using hoses or pressure spray equipment is usually adequate. When heavy deposits of dirt or other contaminants dull surfaces, stronger methods may be needed.

Two precautions should be observed: (1) do not use wire brushes, abrasives, or similar cleaning tools which will mechanically abrade the coatings surface, and (2) certain cleaning agents listed below should be tested in an inconspicuous area before use on a large scale.

### **GROUP A: HOT OR COLD DETERGENT SOLUTIONS**

A 5% solution in water of commonly used commercial and industrial detergents will not have any deleterious effect on a fluoropolymer surface. These solutions should be followed by an adequate rinse of water. Use a cloth or sponge for application.

### **GROUP B: SOLVENTS**

Most organic solvents are flammable and/or toxic, and must be handled accordingly. Read the manufacturer's Material Safety Data Sheets (MSDS). Keep away from open flames, sparks and electrical motors. Use adequate ventilation, protective clothing, and goggles. Solvent that may be used to remove non-water soluble deposits such as tar, grease, oil, paint, and graffiti from fluoropolymer surfaces include:

- Ethanol(denatured alcohol)
- Isopropyl alcohol (rubbing alcohol)
- Methanol (wood alcohol) Note: methanol is toxic

The above alcohols have no permanent effect on fluoropolymer surfaces.

### **GROUP C: PETROLEUM SOLVENTS AND TURPENTINE**

- VM&P naphtha
- Mineral spirits
- Kerosene
- Turpentine (wood or gum spirits)

The above solvents have no permanent effect on fluoropolymer surfaces.

### **GROUP D: AROMATIC AND CHLORINATED SOLVENTS**

- Xylol (Xylene) Toluol (Toluene)
- Perchlorethylene (Perclene)
- Tricholorethylene (Triclene)
  - Note: Perchlorethylene and Trichlorethylene are toxic.

The above solvents should be used with caution on a fluoropolymer surface. Limit contact with solvent to five minutes maximum and test before using.

### GROUP E: KETONES, ESTERS, LACQUER THINNER AND PAINT REMOVER

- Methyl isobutyl ketone (MIBK)
- Ethyl acetate (nail polish remover)
- Butyl acetate
- Lacquer thinner
- Paint remover (non-flammable)

The above solvents should be used cautiously on a fluoropolymer surface. Limit contact to fluoropolymer surface and test before using. Note: There are many formulations of paint remover on the market. It is possible that some will remove the fluoropolymer surface. Proceed very cautiously in use of paint remover. Metal supplier and coating manufacturer are not responsible for damage from unrestricted use.

### **GRAFFITI**

Graffiti presents a special problem because of the many possible agents used, especially aerosol paint. It is best to try soap and water first. If needed, try the less active solvents from Groups B, C, and D. Next, try the stronger solvents in Group E. If none of these are satisfactory, it may be necessary to resort to touchup, repaint or replacement.

### MILDEW

In areas subject to high humidity levels, dirt and spore deposits can permit mildew growth to occur. The following solution is recommended to remove mildew when necessary:

- 1/3 cup dry powdered laundry detergent (such as Tide®)
- 1 quart sodium hypochlorite 5% solution (such as Clorox®)
- 3 quarts water

### **RUST STAINS**

Hydrochloric, citric acid, or muriatic acid, diluted with ten volumes of water, may assist in removing rust stains from fluoropolymer surfaces. Limit contact to five minutes. Oxalic acid solutions or acetic acid (vinegar) may be used for the same purpose. Flush with water. Caution: Acid solutions are corrosive and toxic. Flush all surfaces with copious amounts of water after use.

NOTE: Misuse or abuse of any of the cleaning agents listed above may result in the voiding of the Firestone Metal Paint Finish Limited Warranty. For more information contact Firestone Roofing Solutions ay 1-800-428-4511.

