

## **HA 2500 Cubical Curtain Track**

### **Maintenance and repair procedures:**

1. Keep track free of debris, paint and foreign objects
2. Lubricate with silicone spray as needed.

### **Safety:**

1. Do not hang on curtain or track.
2. Do not put more than 50-lbs. weight on curtain when pulling.
3. Contact HA customer service with any questions or for more information. (800) 432-7526.

SOLAR SHADING SYSTEMS

## **Solar Shading Systems® 2500 Cubical System**

All products furnished by Solar Shading Systems® are under warranty to be free from defects to workmanship and materials for a period of one (1) year from date of purchase. This warranty covers merchandise returned to us prepaid which will be returned to the purchaser plus freight. Cost for installation charges or lost profits are not included in the warranty. No other warranties are expressed or implied on this product line.

# **API Preventative Maintenance Manual**

P.O. Box 460  
Ceres, CA 95307  
Phone: 209-531-9091  
Fax: 209-531-9055

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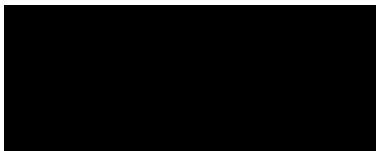
Fax: 209-531-9055

December 5, 2001

Dear Sirs,

With proper care and maintenance, API's AP 200/300/900/CWP/DSL panels should last for many years. Your building panels occasionally need attention to keep them properly maintained. Please see the enclosed Preventative Maintenance Information Sheet for the necessary instructions for cleaning, rust and mildew removal, and sealant checking for proper maintenance of the panels. These instructions provide recommended steps designed to keep your panels in proper working condition.

Thank you,



## Section 1 – Roof and Walls

**Roof and Walls in General-** You should not store material on the roof of your building. Your roof and wall panels should not come in contact with wood, lead, or copper. Wall panels should be kept clear of dirt and soil. Air conditioning condensation water should not be allowed to drain onto your roof or wall panels.

**Roof Debris-** At least once a year, clean the roof and gutters of leaves or other debris which would trap or pond water on the roof. Wash dirt and debris from the panel surface. Local Conditions would govern the frequency of these cleanings.

**Ice and Snow Buildup-** Excessive ice and snow should be removed from the roof areas. This is particularly important in gutter areas (eaves and valleys) and in areas of the roof sheltered from the wind (behind facades, step roof conditions, etc.).

**Roof Traffic-** Roof traffic is a leading cause of roof leaks. If routine traffic is unavoidable, have your builder install a walkway designed for use with your roof panel.

When walking on the roof is required:

*Avoid stepping on the ridge caps*

*Avoid stepping on lap joints in roof panels and flashings*

*Avoid walking near roof curbs or other roof penetrations*

*Avoid stepping on panel ribs between purlins*

*Do not step in or on gutters or the gutter hanging system*

*Do not step on or near skylights*

**Foliage-** While bushes and trees enhance the appearance of any building, their contact with the wall panel can produce scratches in the paint surface which will eventually cause problems. Keep bushes and trees trimmed back from the panel surfaces.

**Yearly Joint Check-** Once a year check joints in the metal for proper seal or loose fasteners. Should repair be required, have your Contractor remove fasteners, take connection apart, clean out existing sealant, install new tape mastic and/or butyl sealant to form a continuous gasket and reattach the connection using new and/or larger 20 year screws as necessary. Care should be taken to ensure the new gasket is in the old screw line or to the weather side of the screws. On those areas where taking the connection apart is not feasible or cost effective, have your Contractor wash the affected area, replace loose fasteners and coat the joint with a suitable elastomeric compound.

## Section 2 – Panel Cleaning

*Always test your process in a small inconspicuous area before use on a large scale*

**Routine Washing-** Galvalume or painted roofing or siding should be washed with soap and water as necessary to maintain appearance. A 5% solution of commonly used commercial and industrial detergents will not harm your panel surface. Always rinse thoroughly with water. Do not use wire brushes, steel wool, sandpaper, abrasives or similar cleaning tools, which will mechanically abrade the coating surface. Use a cloth, sponge or a soft bristle brush for application. Cleaning should be done in the shade or on a mild cloudy day.

**Rust-** Once a year inspect the panels for rust. Should any rust or rust stains be found, determine the source, such as steel filings from drilling and remove them. The rust stain can generally be cleaned off with one of the following: soap and water, mineral spirits, Soft Scrub, or a mild polishing compound as used on a car finish.

**Paint Scratches-** Scratches to the paint should be brush touched (artist brush) with touchup paint. If the scratched area has not rusted, the paint may be applied without surface preparation. If the area is rusted, remove the rust, prime the affected area and brush touch with color matched touchup paint supplied with the building. Primer and additional touchup paint is available from API.

**Mildew Removal-** Mildew can be expected in areas of high humidity. Mildew is more of an appearance problem than an actual threat to the paint finish. Mildew can be removed by using a basic solution of the following:

- 1/3 cup of detergent
- 2/3-cup tri-sodium phosphate
- 1-quart sodium hypo-chloride, 5% solution
- 3 quarts of water

Rinse with clean water immediately after use.

**Non-Water Soluble Deposits On Long Life Finishes-** Use mineral spirits to remove non-water soluble deposits (tar, grease, oil, paint, graffiti, etc.) from the panel surface.

**Non-Water Soluble Deposits On Kynar Finishes-** Solvents that may be used to remove these items from Kynar panel finishes include:

**Alcohols-**

No permanent effect on Kynar  
Denatured Alcohol (Ethanol)  
Isopropyl (Rubbing) Alcohol  
Methanol (Wood Alcohol) – Note: Methanol is toxic

**Petroleum Solvents-**

No permanent effect on Kynar  
VM & P Naphtha  
Mineral Spirits  
Turpentine (Wood or Gum Spirits)

**Aromatic and Other-**

Use with caution on a Kynar surface.  
Xylol (Xylene)  
Toluol (Toluene)

Limit contact time to 5 minutes maximum and test before using.

**Ketones, Esters, Lacquer Thinner-** Use very cautiously on a Kynar surface. Limit contact time to 1 minute maximum and test before using. API is not responsible for damage caused by unrestricted use.

Do not use acetone paint remover, Methyl Ethyl Ketone, or Methyl Isobutyl Ketone on Kynar surfaces. Continued contact with these products could result in loss of gloss or other blemishes detrimental to the aesthetics of the job.

*Most organic solvents are flammable and/or toxic and must be handled accordingly. Keep away from open flames, sparks and electric motors. Use adequate ventilation, protective clothing and goggles.*

**Sealant Removal-** Precautions should be made to prevent sealants from getting on the painted surface as they may be difficult to remove. They should be removed promptly with a solvent such as alcohol or a naphtha (**Kynar finish only**) type of solvent. *Caution: It may be possible for solvents to extract materials from sealants, which could stain the painted surface or could prove harmful to sealants. Test a small area first.*

## **Section 3 – Trim**

**Gutter And Downspouts** – Clear all debris (leaves, dirt, etc.) from gutters and downspouts as required. The frequency required is dependent on the building's surroundings.

**Damaged Trim** – Trim around openings sometimes gets damaged by vehicle traffic. Replacement trim can be obtained through API.

## **Section 4 – Replacement Parts or Service**

Replacement parts or service can be obtained through your local API panel supplier. In the event they are not available, call API at 209-531-9091 and ask for Customer Service. When calling API, have the original job number, year built, and the company name of the original installer.

## **Section 5 – Finish Repairs**

### **Field Touchup Procedures – SMP/CPD Finishes**

#### **General**

Field repair of any Polyceramic surface should be attempted only by a skilled professional and should be accomplished using only a good quality exterior grade air dry product.

#### **Large or small areas that require spray application**

- A. Mask area to be repaired to eliminate any over spray of air dry material to existing structures.
- B. Sand entire part to be repaired with fine sandpaper until surface is smooth and all nicks and scratches have been removed.
- C. Wipe sanded part clean with Toluol dampened lint free cloth.
- D. If sanded to bare metal, pretreat the metal prior to painting to ensure proper adhesion of the air dry system.
- E. Prime entire part uniformly using a good corrosion resistant automotive type primer to achieve a smooth, consistent film with complete hiding of the metal, dry film of 0.40-0.50 mils.

It is not necessary to prime parts that do not show bare metal. If it is necessary to prime the parts, then follow the recommendations of the primer's manufacturer for reduction and application techniques. For large areas, you may choose to use a Binks hand spray gun (or equivalent) with a cup reservoir. For smaller areas, you may use an artist's air brush or



Crown spray tool #8010 with #8011 power pack aerosol from Crown Industrial Products, Hebron, IL 60034.

If priming was necessary, the primer should be tack-free and ready to topcoat in 4 to 6 hours or as recommended by the manufacturer. If handling is necessary prior to top-coating, overnight dry time is recommended.

- F. Top-coat using a good exterior grade acrylic paint of the same gloss range as that of the surrounding area. Correct spray viscosity is dependent upon the application equipment selected and the recommendation of the air dry manufacturer. Some degree of trial and error may be necessary to achieve the required appearance depending upon the conditions where the repair is being performed.

#### **Small areas of nicks, scratches, etc.**

- A. If only the topcoat is nicked or scratched, repair the afflicted area with either a small air brush or an artist's brush using the air dry paint as received.
- B. If nicked or scratched to bare metal, the pretreat with the corresponding pretreat as described earlier; follow with the acrylic primer, allow to dry, the topcoat with the corresponding topcoat applied with the artist's brush.

#### **Product Sources**

Air dry acrylic products may be obtained through: Custom Aerosol, Dallas, Texas; your local paint store that does custom matching; or your local automotive paint store if you have a color chip for them to match.

#### **Field Touchup Procedures – Kynar (PVDF) Finish**

##### **General**

Fluoroceram Ads is a Kynar based air-dry field repair touchup. It is supplied as a solution coating ready for on-site application.

Ads has excellent exterior exposure qualities and is the best method for repairs.

### **Large of small areas that require spray application**

- A. Mask area to be repaired to eliminate any over spray of material to existing structures.
- B. Sand entire part to be repaired with fine sandpaper until surface is smooth and all nicks and scratches have been removed.
- C. Wipe sanded part clean with Toluol dampened lint free cloth.
- D. If sanded to bare metal, preterit the metal prior to painting to ensure proper adhesion of the Ads.
- E. Prime entire part uniformly with Fluoroceram Ads Primer 727 line to achieve a smooth, consistent film with complete hiding of metal (dry film thickness of approximately 0.2-.4 mils). It is not necessary to prime parts that do not show bare metal.

For priming large areas, use a Binks (or equivalent) hand spray gun with a cup reservoir or equivalent. For smaller areas, you may use an artist's air brush or Crown spray tool #8010 with #8011 power pack aerosol from Crown Industrial Products, Hebron, IL 60034.

Primer will be tack-free and ready to topcoat in 1 to 2 hours. If handling is necessary prior to topcoating, overnight dry time is needed.

- F. Topcoat with Fluoroceram Ads, using the same types of equipment as was used for the primer, to dry film thickness of 1.0-1.5 mils. To spray Fluoroceram Ads, you may need to thin slightly with Methyl Isobutyl Ketone (MIBK).

If this spray is too wet, use Methyl Ethyl Ketone (MEK) as a quicker dry alternative. If cob webbing of spray occurs, reduce viscosity approximately one third more with additional solvent.

Correct spray viscosity is dependent upon the application equipment selected, therefore, some degree of trial and error may be necessary. Improper reduction will result in unacceptable appearance. Dry time – 1 to 2 hours tack free, overnight to handle.

Typical properties of Fluoroceram Ads primer and topcoat along with performance properties are attached.

### **Small areas of nicks, scratches, etc.**

- A. If only topcoat is nicked or scratched, repair with artist's brush using Fluoroceram Ads topcoat as received.
- B. If nicked or scratched to bare metal, pretreat as explained previously. Follow with Fluoroceram Ads primer and topcoat applied with artist's brush. Note: Dry time between coats 1-2 hours.

### Product Sources

Fluoroceram Ads primer and topcoat can be purchased from your nearest Morton Coatings division listed below:

Batavia Coatings Facility  
1500 Lathem Street  
Batavia, IL 60510  
708-879-6800

Decatur Coatings Facility  
IPSCO Rd. Decatur Ind. Park  
Decatur, AL 35602  
205-355-5440

Orrville Coatings Facility  
312 Collins Blvd.  
P.O. Box 108  
Orrville, OH 44667-0108  
216-684-2310

Colton Coatings Facility  
1231 South Lincoln Street  
Colton, CA 92324  
714-825-6292

North Brunswick Facility  
1470 Jersey Avenue  
North Brunswick, NJ 08903  
201-545-9601