

*Product Name:*

Pittco Sunshades – Sun Control Devices – Section 10705

*Manufacturer's Name:*

Pittco Architectural Metals, Inc.



PITTCO ARCHITECTURAL METALS, INC.

2011

PRODUCT DESCRIPTION

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## PRODUCT FEATURES

- BASIC USES / RELATED USES

Energy conservation and daylighting control

Airfoils provide a wide range of daylighting control and solar shading

Designed to complement and enhance the performance of curtainwall, ribbon window, and storefront systems

- PRODUCT ATTRIBUTES AND CHARACTERISTICS

Factory engineered and assembled sunshade frames in large practical sections for minimal erection time

Factory engineered anchors and outriggers to facilitate large frame erection

Airfoils are available in a variety of shaped blades

- SELECTION CRITERIA

Quality, economy and high performance are provided at a reasonable cost

Sunshades can be applied to TMS storefront system, TMW, 70 wall, and EFG 800 curtainwall systems

- APPLICABLE STANDARDS, RELATED REFERENCES

AA (Aluminum Association) – Designation System for Aluminum Finishes

AAMA MCWM-1 – Metal Curtain wall Manual

AAMA 611-98 – Voluntary Specification for Anodized Architectural Aluminum

AAMA 2604-05 – Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels

AAMA 2605-05 – Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels

ASTM B 209/B 209M – Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate

ASTM B 221/B 221M – Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wires, Profiles and Tube

- QUALITY, TESTS, CERTIFICATIONS, AND APPROVALS

Standard airfoils, outriggers, and anchors will be custom engineered to withstand windload and snowload per specification and/or code on a project by project basis. Maximum projection from the face of the glass and maximum spacing between outriggers depends on curtainwall, ribbon window, and storefront system selected as well as limitations of airfoils, outriggers, and anchors

- SPECIAL WARRANTY

One (1) year

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- SAFETY PRECAUTIONS

Normal precautions required

- AVAILABILITY

Sunshades are available in all regions of USA. Refer to Internet web site for locations and addresses of distributors

- COST

Varies with elevation, configuration and finish desired

### **PRODUCT PROPERTIES**

- MATERIAL, COMPOSITION AND DESIGN

Aluminum: 6063-T5 alloy and temper, to ASTM B 221/ASTM B 221M

Fasteners: 300 Series non-magnetic Stainless steel

Anchors: Aluminum fabricated to act integrally with the curtain wall

Outriggers: Aluminum finished to match or contrast with airfoils.

- SHAPE AND DIMENSIONS

Recommended maximum outrigger extension: 30 inches and maximum spacing between outriggers: 8 feet. Custom length and custom spacing are available upon request. Extension and spacing subject to structural review.

Corner treatments are available to match sunshade requirements

- SHOP FABRICATION AND ASSEMBLY

Provide for integral attachment to curtainwall, ribbon windows, and storefront with standard accessories

Configurations:

- Tubular airfoils or vane type airfoils with screw-splined attachment to outriggers

Accessories:

- Curtainwall, ribbon window, and storefront anchors
- Outriggers
- 300 series stainless steel fasteners for anchors and outriggers

- COLORS AND TEXTURES

- Architectural anodic coating, in accordance with AAMA 611.

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- Aluminum Association Designation.
  - AA-M10C22A31 – Class II – (Pittco #42 Clear)
  - AA-M10C22A41 – Class I – (Pittco #43 Clear)
  - AA-M10C22A44 – Class I – (Pittco #59 Champagne)
  - AA-M10C22A44 – Class I – (Pittco #60 Light Bronze)
  - AA-M10C22A44 – Class I – (Pittco #61 Medium Bronze)
  - AA-M10C22A44 – Class I – (Pittco #62 Dark Bronze)
  - AA-M10C22A44 – Class I – (Pittco #63 Black)
- Architectural organic coating, in accordance with AAMA 2605 (70% Kynar 500®);
  - Finish on exposed aluminum shall be compliant with the performance standards set forth in AAMA 2605, "Superior Performing Organic Coatings on Aluminum".
  - Type: Factory Applied – High Performance, 70% Polyvinylidene Fluoride (PVDF) coating based on Elf Atochem, Inc. Kynar 500® or Ausimount USA, Inc. Hylar 5000® resin, formulated by a Licensed Paint Manufacturer and applied by the Paint Manufacturer's Warranty Approved Applicator.
  - Pre-treatment: Applicator to pre-treat the aluminum with solutions to remove Organic and Inorganic Surface Soils and Residual Oxides, followed by a Chrome Phosphate Conversion Coating, at a minimum 40 mg/sq ft to ensure adhesion of paint to aluminum.
  - Specify color code, e.g. UC 40577(Duranar Black)
- Architectural organic coating, in accordance with AAMA 2605 (70% Kynar 500®);
  - Finish on exposed aluminum shall be compliant with the performance standards set forth in AAMA 2604, "High Performance Organic Coatings on Aluminum".
  - Type: Factory Applied – High Performance, 50% Polyvinylidene Fluoride (PVDF) coating based on Elf Atochem, Inc. Kynar 500® or Ausimount USA, Inc. Hylar 5000® resin, formulated by a Licensed Paint Manufacturer and applied by the Paint Manufacturer's Warranty Approved Applicator.
  - Pre-treatment: Applicator to pre-treat the aluminum with solutions to remove Organic and Inorganic Surface Soils and Residual Oxides, followed by a Chrome Phosphate Conversion Coating, at a minimum 40 mg/sq ft to ensure adhesion of paint to aluminum.
  - Specify color code, e.g. UC 40577(Duranar Black)

## PRODUCT PLACEMENT

- PREPARATION WORK

Ensure openings are of proper size, and outriggers are plumb, square, level and in the proper location and alignment

- INSTALLATION

Align installed assembly plumb and level, free of warp or twist

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Maintain dimensional tolerances, aligning with adjacent work. Hole outrigger spacing +/- 1/8" variance from drawings

- PROTECTION

Protect sunshade materials after installation to prevent damage by other trades.

- START-UP AND OPERATION

Not applicable

- OWNER'S MAINTENANCE INSTRUCTIONS

Wash surfaces with warm water and mild soap; wipe clean, at least once a year

#### **Corporate Identification**

Pittco Architectural Metals, Inc  
1530 Landmeier Road  
Elk Grove Village, Illinois 60007  
Tel: (847) 593-3131  
Fax: (847) 593-9946  
Toll-Free: (800) 992-7488  
Internet: <http://www.pittcometals.com>  
E-mail: [info@pittcometals.com](mailto:info@pittcometals.com)

#### **Technical Services Available**

Toll-Free: (800) 992-7488

#### **Classification and Filing**

MasterFormat

Section 08926 - Aluminum Glazed Curtain Wall (subset of MasterFormat 08410 - Metal Framed Storefronts)

UniFormat

Section B2030 - (exterior entrance frames) or C1020 (interior entrance frames)