Pinger CG51 Corner Guard

Suggested Specifications

PART 1 – GENERAL

1.01 SUMMARY

A. Corner guard system for wall protection

1.02 SECTION INCLUDES

A. CG51 High Impact Surface Mount Corner Guard System

1.03 SYSTEM DESCRIPTION

A. Performance Requirements: Provide corner guard system that conform to the following requirements of regulatory agencies and the quality control of Wall Protection Systems, Pinger Corporation.

1. Fire Performance Characteristics:
   Provide handrails conforming with EN13501 - 1 Class B fire rating. FLAME SPEAD AND SMOKE:ASTM E84,CLASS A, The smoke concentration is qualified, non-toxic, and there is no dripping when burning.
2. Fungal and Bacterial Resistance:
   The resin material is rich in silver ions,inhibiting the fungal growth on the surface of wall panel,such as the growth of pathogenic organisms such as Escherichia coli,staphylococcus aureus .Antibacterial proof:JISZ2801:2010.
3. Mould Proof:
   ASTM G21-15,Excellent, moisture-proof and mildew-proof, inhibit aspergillius brasiliensis , penicillium rope,short-stemmed sprouted mould,bulbar hairy shell and trichoderma viride.
4. Horizontal burning:
   As tested in accordance with the procedures specified in UL94HB, Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position.
5. Impact Strength:
   Provide rigid Vinyl profile materials that have an Impact Strength of 1kg as tested in accordance with the procedures specified in ASTM D256- 10EL,GB8624 -2012, Impact Resistance of Plastics.
6. Environmental friendly:
   No any toxic gas, formaldehyde is qualified.You can check in immediately, and there is no need to absorb formaldehyde TVOC:ISO 16000-3-6-9 AND SGS:CA CDPH 01350 -VOC
7. Does not stain:
   Strong, water proof,easy to clean the surface,Anti-pollution, not easy to dye，Staining test:EN423:2001.
8. ISO Certified:
   Provide ISO9001/14001/45001 Certified material. Profiles shall meet the requirements of ISO9001/14001/45001 Certification Standards for Low-Emitting Products and ISO9001/14001/45001 Product Emission Standard.
9. Chemical and CORROSION Resistance:

Tested according to ASTM D 543- 14/ASTM D2240- 15/ASTM D638- 14,Excellent, small coefficient of thermal expansion and cold contraction, and almost no change in temperature size.,Antibacterial and bacteriostatic, effectively resisting most acids, alkalis, salts, alcohols,Corrosion of iodine, vegetable oil, liquor, etc.

10. No heavy metals:
    Does not contain lead, cadmium and other toxic and harmful heavy metals,Heavy Metal Test:CA65
11. Durable and easy to install:
    Duralble,Wear-resistant, not easy to scratch the surface, dirt, dust ,Not easy to attach, not fouling, simple maintenance.Convenient construction, construction, no noise.

1.04 DELIVERY, STORAGE AND HANDLING

A. Deliver materials in unopened factory packaging to the jobsite
B. Inspect materials at delivery to assure that specified products have been received.
C. Store in original packaging in a climate controlled location away from direct sunlight.

1.05 PROJECT CONDITIONS

A. Environmental Requirements: Products must be installed in an interior climate controlled environment.

1.06 WARRANTY

A. Standard Pinger Limited Lifetime Warranty against material and manufacturing defects.

PART 2 – PRODUCTS

2.01 MANUFACTURED UNITS

A. Corner Guard System
   1. CG51 High Impact Surface Mount Corner Guard Profile
      a. 51mm x 51mm, 90 degree, 3m standard height.

2.02 MATERIALS

A. Vinyl: Snap on cover of .2mm thickness shall be made from chemical and stain-resistant Vinyl with the addition of impact modifiers.
B. Aluminum: Continuous aluminum retainer of .1.8mm thickness shall be fabricated from 6063-T5 aluminum.

2.03 COMPONENTS

A. Top caps and bottom caps shall be made of injection molded thermoplastics.
B. Fasteners: All mounting system accessories appropriate for substrates indicated on the drawings shall be provided.
C. Optional flexible top caps shall be made of injection molded Biopolymer Flex PVC.

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2.04 FINISHES

A. Vinyl Covers: Colors of the corner guard to be selected by the architect from the Pinger finish selection.

B. Molded Components: Top caps and bottom caps shall be of a color matching the corner guards.

PART 3 – EXECUTION

3.01 EXAMINATION

A. Examine areas and conditions in which the corner guard systems will be installed.

1. Complete all finishing operations, including painting, before beginning installation of corner guard system materials.

B. Wall surface shall be dry and free from dirt, grease and loose paint.

3.02 PREPARATION

A. Surface Prep: Prior to installation, clean the substrate to remove dust, debris and loose particles. Ensure the substrate is sound and per project plans.

B. Acclimate product in temperatures between 65°F and 80°F [18°-27°C] and a humidity level less than 80% 24 hours in advance of installation.

C. The area of installation must temperature and humidity controlled for at least 48 hours after installation.

3.03 INSTALLATION

A. General: Locate corner guard as indicated on the approved detail drawings for the appropriate substrate and in compliance with the Pinger installation instructions. Install corner guard, level and plumb at the height indicated on drawings.

B. Installation of CG51 High Impact Surface Mount Corner Guard:

1. Position the aluminum retainer against the wall, allowing 8mm from the bottom of the aluminum to the top of the cove base or baseboard for the bottom cap.
2. Aluminum Retainer Installation

   a. Drywall installation: Secure the aluminum retainer to the wall using aluminum screw. Use 6 screws per 1m length.
3. Top and Bottom Cap Installation

   a. Drywall installation: Overlap the aluminum with the mounting tabs of the top cap and attach them to the aluminum retainer using two, 38mm aluminum screw flat head self tapping screws per cap.

   b. Concrete installation: Overlap the aluminum with the mounting tabs of the top and bottom caps and attach them to the aluminum retainer using two, flat head screws per cap.

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4. Position the Vinyl cover on the aluminum retainer to check the fit. Adjust the top cap on the aluminum retainer to obtain a tight fit with the Vinyl cover.
   Starting at the top, push the Vinyl cover over the aluminum, by pressing over the length until the Vinyl snaps securely into place.

3.04 CLEANING

A. At completion of the installation, clean surfaces in accordance with the Pinger clean-up and maintenance instructions.

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