▶ Smooth Vinyl Corner Guards   WX3

Part 1 – General

1.01 – SUMMARY
- A. Corner guard system for wall protection and decoration.

1.02 – SECTION INCLUDES
- A. wX3 Series, Smooth Vinyl Corner Guard
- B. The following sections contain product info related to this section:
  1. Handrails, Wall Guards, Wall Covering, Door Protection, Rub Rail, refer to section 10 26 00 "Wall and Door Protection"

1.03 – REFERENCES
- A. American Society for Testing and Materials (ASTM)
- B. National codes (IBC, UBC, SBCCI, BOCA and Life Safety)
- C. Society of Automotive Engineers (SAE)

1.04 – SUBMITTALS
- A. Product Data: Manufacturer's printed product data for each type of corner guard specified.
- B. Shop Drawings: Mounting details with the appropriate fasteners for specific substrates.
- C. Samples: Verification samples of the corner guard, 8" (203mm) long, in full size profiles for each product indicated.
- D. Manufacturer's Installation Instruction: Printed installation instructions for each wall guard.
- E. Maintenance Data: Wall protection maintenance data for inclusion in the Division 1 operating and maintenance manuals.

1.05 – QUALITY ASSURANCE
- A. Appoint an installer with 3 or more years of experience in installation projects of similar complexity.
- B. Manufacturer has 5 or more years of experience in the production of specified product and reliable product performance.
- C. Assemblies should follow all applicable codes including IBC, UBC, SBCCI, BOCA, and Life Safety.
- D. *Impact Strength*: Provide rigid vinyl profile materials that have an Impact Strength value of 19 ft-lbs/in as tested in accordance the procedures specified in ASTM D-256, Notched Izod Test.
- E. Chemical and Stain Resistance: Provide corner guards that show resistance to stain when tested in accordance with applicable provisions of ASTM D-543.
- F. Fungal and Bacterial Resistance: Provide rigid vinyl that does not support fungal or bacterial growth as tested in accordance with ASTM G-21 and ASTM G-22.
- G. Color Consistency: Provide components matched in accordance with SAE J-1545—(Delta E) with a color difference no greater than 3.0 units using CIE Lab, CIE CMC, CIE Lch, Hunter Lab or similar color space scale systems.

1.06 – DELIVERY, STORAGE, AND HANDLING
- A. Deliver materials in unopened factory packaging to the jobsite.
- B. Inspect materials at time of delivery to assure that specified products have been received.
- C. Store in original packaging in a climate controlled location away from direct sunlight and from exposure to the elements. Maintain a minimum room temperature of 40°F and a maximum of 100°F.
- D. Store material flat and do not stack.

1.07 – PROJECT CONDITIONS
- A. Environmental Requirements: Products must be acclimated to a temperature of 65°F to 75° F for at least 24 hours before beginning installation.
- B. Install products in an enclosed and weatherproofed area of the same temperature.

1.08 – WARRANTY
- A. Standard Wallprotex limited lifetime warranty against material and manufacturing defects.

Part 2 – Products

2.01 – MANUFACTURER
- A. Acceptable Manufacturer: Wallprotex, 3750 Ohio Ave., St. Charles, IL 60174, Phone: 877-880-8115, www.wallprotex.com
- B. Substitutions: Not permitted.
- C. Provide all corner guards and wall protection from a single source.
- D. All products are to be manufactured in the USA.

2.02 – MANUFACTURED UNITS
- A. Corner Guard Profile
  1. wX3 Series Vinyl Corner Guard Options:
     3/4" (19mm) x 3/4" (19mm), .050" (1.3mm), 90°
     1-1/8" (29mm) x 1-1/8" (29mm), .075" (1.9mm), 90°
     1-1/2" (38mm) x 1-1/2" (38mm), .075° (1.9mm), 90°
     2" (51mm) x 2" (51mm), .100" (2.5mm), 90°
     2-1/2" (64mm) x 2-1/2" (64mm), .100" (2.5mm), 90°, 135°, or Bullnose
     3" (76mm) x 3" (76mm), .100" (2.5mm), 90°
  2. Standard Heights: 4' and 8'
     Custom heights available

2.03 – MATERIALS
- A. Vinyl: Corner guard shall be extruded from chemical and stain resistant polyvinyl chloride. No plasticizers shall be added.

2.04 – ACCESSORIES
- A. Fasteners may be provided for standard drywall and steel stud wall installations. Manufacturer will provide appropriate fasteners if required.
- B. Vinyl corner guards may be provided with double-sided adhesive backing for installation on finished drywall surfaces. Manufacturer will provide corner guards with adhesive backing already applied to corner guards if required.
- C. Vinyl corner guards may be provided without double-sided tape or construction adhesive. Corner guards will be installed with appropiate construction adhesive provided by on-site installer.

2.05 – FABRICATION
- A. Fabricate corner guard systems according to design, dimensions, detail, and finish per plans and specifications.

2.06 – FINISHES
- A. Colors of the corner guard to be selected by the architect from Wallprotex palette. Surface must have a smooth texture.

Part 3 - Execution

3.01 – EXAMINATION
- A. Prior to installation, examine areas and conditions in which the corner guards will be installed for defects, damage, or incomplete site preparation.
- B. Complete all finishing operations, including painting, before beginning installation of corner guard systems. New paint

must be allowed to cure for an appropriate amount of time according to the paint manufacturer before corner guards are installed.

c. Do not install corner guards if wall surface is not adequately prepared.

3.02 – PREPARATION

A. Prior to installation of the corner guard system, clean substrate to remove dust, debris, grease, or any loose particles.

3.03 – INSTALLATION

A. Locate corner guard as indicated on the approved shop drawing for the appropriate substrate. Install corner guard flush and tight at the height indicated on the appropriate drawing, with surfaces free from distortion or other defects in appearance.

B. Use the approved mounting hardware.

C. Install all corner guard systems in accordance and compliance with Wallprotex installation instructions.

3.04 – CLEANING

A. At completion of the installation, clean surfaces in accordance with the Wallprotex cleanup and maintenance instructions.

B. Remove extra materials and debris accumulated from installation.