

Revision Date: 11/08/2023

1. **Design Criteria:**

- a. Wall and Corner guards shall be located during design and included in the drawings.
- b. Wall and Corner guards shall be located where damage is likely to occur from daily use of the project areas including loading docks, storage rooms, and in corridors.
- c. Corner guards shall be placed where regular pedestrian traffic and transportation of equipment is likely to impact walls in the traffic path, especially on outside corners.
- d. Wall guards shall be placed where moveable equipment is permanently or temporarily stored and behind items that are frequently removed and replaced (ie: bins and carts)
- e. The Design Consultant may make recommendations as to material selection. PVC or stainless-steel materials are preferred. UVM retains final aesthetic approval.
- f. Wall and corner guard elements shall be specified to have concealed mounting hardware. Double-faced tape shall not be used.
- g. Clear corner guards shall not be used. (Drywall dust created during installation is always visible through the guard).
- h. Materials with low VOC shall be used.

2. **References**

- a. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- b. ASTM D 1784 - Standard Classification System and Basis for Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.

3. **Required Submittals:**

- a. Product Data: Include construction details, material descriptions, impact strength, fire-test-response characteristics, dimensions of individual components and profiles, and finishes for each impact-resistant wall protection unit.
- b. Shop Drawings: For each impact-resistant wall protection unit showing locations and extent. Include sections, details, and attachments to other work.
 - i. Samples for Initial Selection and verification: 12 inches long.

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4. Products, Materials & Equipment:

- a. Corner guards shall be plastic, rubber, FRP, or metal with 90 or 135-degree corners. Mounting shall be by countersunk screws with factory drilled mounting holes or commercial adhesives.

5. Installation, Fabrication, and Construction:

- a. Complete finishing operations, including painting, before installing impact-resistant wall protection system components.
- b. Indicate blocking where required by the manufacturer.
- c. Before installation, clean substrate to remove dust, debris, and loose particles.

6. Warranties:

- a. Manufacturer's minimum five-year warranty on equipment and products
- b. Installer's standard one-year warranty on installation and craftsmanship.