

Suggested Specification  
SECTION 10 26 13  
Pawling Pro-Tek® Model CGFT-72-1HR

**PART 1 GENERAL**

**1.01 SUMMARY**

- A. This section includes the following wall protection system:
  - 1. Corner Guards
- B. Related Sections
  - 1. Section 10 26 16 - Bumper Guards
  - 2. Section 10 26 23 - Protective Wall Covering
  - 3. Section 10 26 33 - Door and Frame Protection
  - 4. Section 09 22 00 - Supports for Plaster and Gypsum Board

**1.02 REFERENCES**

- A. Abbreviations and Acronyms
  - 1. National Fire Protection Association (NFPA)
  - 2. American Society for Testing and Materials (ASTM)
  - 3. Underwriters Laboratories (UL)
  - 4. American National Standards Institute (ANSI)

**1.03 SUBMITTALS**

- A. General: Submit the following in accordance with Section 01 33 00 "Submittal Procedures".
- B. Product Data
  - 1. Data sheet illustrating product dimensions, options, and related components.
  - 2. Installation instructions.
- C. Samples for verification of design suitability, color, fit, and finish.
  - 1. 12" (304) Long sample retainer and cover assembly.
- D. Test reports from a qualified independent laboratory showing results in compliance to requirements indicated

**1.04 QUALITY ASSURANCE**

- A. Manufacturer to have no less than 5 years experience in the production of wall protection products having successful in-service performance.
- B. Color Control: Provide extruded components that meet visual and colorimetric evaluation of color to a controlled standard.
  - 1. Colorimetric evaluation less than or equal to 1.0 CMC DE (Delta E) when measured under cool white fluorescent lighting.

**1.05 DELIVERY, STORAGE, AND HANDLING**

- A. Storage: Store wall protection products in original packaging. Protect from weather, extreme temperatures, and moisture.
  - 1. Maintain temperature during storage between 40°- 100°F (4°- 38°C).
  - 2. Store materials flat to prevent twisting or sagging of cartons.
- B. Handling: Take adequate measure to prevent damage to materials. Avoid exposure of plastic products to direct sunlight.

## **1.06 SITE CONDITIONS**

- A. Ambient Conditions: Do not install wall protection products until installation areas are enclosed and weatherproof. HVAC system must be operational and maintaining temperature at 65°-75°F (18°-24°C) for at least 72 hours prior to installation.

## **PART 2 PRODUCTS**

### **2.01 MANUFACTURERS**

- A. Pawling Corporation  
Architectural Products  
32 Nelson Hill Rd  
Wassaic, NY 12592  
Tel: 800-431-3456  
www.pawling.com

### **2.02 DESCRIPTION**

- A. Model CGFT-72-1HR, 2" (51) x 2" (51) x 90° Flush mounted corner guard system with a continuous aluminum retainer, fire resistant barrier, and 1/4" (6) radius snap-on plastic cover. Outer edges of retainer shall be tapered, ribbed, and perforated for drywall installation. Available with optional CBI-72 aluminum insert for use with flexible cove base, standard in 4" (102) and 6" (152) length. Select color from manufacturer's standard or custom colors.

### **2.03 DESIGN AND PERFORMANCE CRITERIA**

- A. Fire Endurance Rating:
  - 1. Corner guard assembly rated for 60 minutes (1HR), tested in accordance with ASTM E119.
- B. Flammability Characteristics: High impact vinyl components.
  - 1. Class A Interior wall finish (NFPA 101 Life Safety) when tested in accordance with ASTM E84.
    - a. Flame Spread: 25 or less
    - b. Smoke Developed: 450 or less
  - 2. 1 Hour fire resistance when tested in accordance with ASTM E119.
  - 3. Classification of HB when tested in accordance with ASTM D635.
- C. Stain Resistance: High impact vinyl components.
  - 1. Material to be tested for stain resistance to various chemical reagents in accordance with ASTM D543.
- D. Bacterial and Fungal Growth: High impact vinyl components.
  - 1. Material must not support bacteria or fungal growth when tested in accordance with ASTM G21 and ASTM G22.
- E. Impact Resistance: High impact vinyl components.
  - 1. Izod impact strength ASTM D256 method A notched, 23.8 ft-lbs/in average with no break.
  - 2. Charpy impact strength ASTM D6110 notched, 26.1 ft-lbs/in average with no break.

### **2.04 MATERIALS**

- A. Cover: Extruded high impact vinyl, nominal 0.085" (2.2) thickness, colored throughout.
- B. Aluminum Retainer: Extruded aluminum, alloy 6063-T5 as described (ASTM B221), nominal 0.100" (2.5) thickness.

- C. Fire Resistant Barrier: Assembly of 24 gauge galvanized sheet metal (ASTM A526/A527) and high temperature Fiberfrax<sup>®</sup> insulating blanket.
- D. Cove Base Insert: Extruded aluminum, alloy 6063-T5 (ASTM B221), nominal 0.062" (1.6) thickness.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Examine walls for availability of backing to ensure secure attachment of wall protection products.
- B. Verify that HVAC is operating and installation area temperature has been maintained between 65°-75°F (18°-24°C) for at least 72 hours prior to installation.
- C. Verify application of wall finishes has been completed in accordance with project finish plan.

#### **3.02 PREPARATION**

- A. Surface Preparation: Clean substrate to remove dust and debris.

#### **3.03 INSTALLATION**

- A. Acclimate materials to building conditions for at least 24 hours prior to installation.
- B. Install wall protection products in accordance with manufacturer's installation instructions.

#### **3.04 PROTECTION**

- A. Protect installed material from damage by other trades. Use materials that will not mark, stain, or leave residue on the product.