# Suggested Specification SECTION 10 26 16 BUMPER GUARDS Pawling Pro-Tek® Model WG-3

# **PART 1 GENERAL**

#### 1.01 SUMMARY

- A. This section includes the following wall protection system:
  - 1. Bumper Guards
- B. Related Sections
  - 1. Section 10 26 13 Corner 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

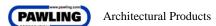
- A. General: Submit the following in accordance with Section 01 33 00 "Submittal Procedures".
- B. Product Data
  - 1. Data sheet illustrating product dimensions, options, and related components.
  - Installation instructions.
- C. Samples for verification of design suitability, color, finish, accessory cap attachment and alignment.
  - 1. 12" (304) Long sample with attached end cap.
- 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 and molded 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.
  - Maintain temperature during storage between 40°- 100°F (4°- 38°C).
  - 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 MANUFATURERS

A. Pawling Corporation **Architectural Products** 32 Nelson Hill Rd

Wassaic, NY 12592

Tel: 800-431-3456 www.pawling.com

#### 2.02 DESCRIPTION

A. Model WG-3, 3" (76) x 1" (25) Surface mounted bumper guard system with a continuous aluminum retainer, and snap-on plastic cover. System includes molded end caps and outside corners. Select from manufacturer's standard or custom colors.

#### 2.03 DESIGN AND PERFORMANCE CRITERIA

- A. Flammability Characteristics:
  - 1. Class A Interior wall finish (NFPA 101 Life Safety) when tested in accordance with ASTM E84.
    - Flame Spread: 25 or less
    - Smoke Developed: 450 or less
  - 2. Classification of HB when tested in accordance with ASTM D635.
- B. Stain Resistance:
  - 1. Material to be tested for stain resistance to various chemical reagents in accordance with ASTM D543.
- C. Bacterial and Fungal Growth:
  - 1. Material must not support bacteria or fungal growth when tested in accordance with ASTM G21 and ASTM G22.
- D. Impact Resistance:
  - 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 0.100" (2.54) thickness, colored throughout.
- B. Aluminum Retainer: Extruded aluminum, alloy 6063-T5 as described in ASTM B221, nominal 0.062" (1.6) thickness.
- C. Molded Accessories: Injection molded thermoplastic.



#### **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.