

## **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. American Society for Testing and Materials (ASTM)

### **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, and finish.
  - 1. 12" (304) Long sample
- 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 1.5 CIELAB 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**

Wallguard.com  
PO Box 1102  
Dover Plains, NY 12522  
Tel: 877-943-6826  
www.wallguard.com

### **2.02 DESCRIPTION**

A. Model 3020.4, 11 1/2" (292) x 1 1/2" (38) heavy duty, plastic lumber bumper guard. Material exhibits low water absorption and UV stable color for interior and exterior use. Not suitable for structural applications. Select from manufacturer's standard colors.

1. Sustainability Characteristics

a. Post consumer recycled content: 97%

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

A. Water Absorption: Less than 0.1% (ASTM D570)

B. Coefficient of Linear Expansion: 0.000064 in/in °F (ASTM D6341)

C. Density: .0216-.0275 lb/cu-in (ASTM D6111), based on 2" (51) x 6" (152) test specimen. Slightly lower densities may occur in large cross section profiles.

### **2.04 MATERIALS**

A. Extruded high density polyethylene (HDPE), colored throughout.

## **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.