

Suggested Specification  
SECTION 10 26 16  
Wallguard.com HDPE 3010.3

**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. 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**

- A. Wallguard.com  
PO Box 1109  
Dover Plains, NY 12522  
Tel: 877-943-6826  
www.wallguard.com

### **2.02 DESCRIPTION**

- A. Model 3010.3, 9 1/2" (241) x 3/4" (19) 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.