

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.
 - 2. 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.
 - 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 1109
Dover Plains, NY 12522
Tel: 800-431-3456
www.wallguard.com

2.02 DESCRIPTION

- A. Protector Series 2130.1, 7 3/4" (197) x 1" (25) Surface mounted bumper guard system with snap-on plastic cover mounted on 1 1/2" (38) quick clip retainers spaced 16" (406) on center. Impact absorbing spring included with each quick clip retainer. 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.
 - a. Flame Spread: 25 or less
 - b. 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. Extruded profile and retainer clip shall resist damage from impact when tested in accordance with applicable sections of ASTM F476.
 - 2. Izod impact strength ASTM D256 method A notched, 23.8 ft-lbs/in average with no break.
 - 3. 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. Quick Clip: Injection molded thermoplastic retainer and spring.
- 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.