

Suggested Specification
SECTION 10 26 23
Wallguard.com New Frontier Series 2400.2

PART 1 GENERAL

1.01 SUMMARY

- A. This section includes the following wall protection system:
 - 1. Rigid Sheet Protective Wall Covering
- B. Related Sections
 - 1. Section 10 26 13 - Corner Guards
 - 2. Section 10 26 16 – Bumper Guards
 - 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, and finish.
 - 1. Cut sample 12” (304) x 12” (304) in thickness specified.
- 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

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

2.02 DESCRIPTION

- A. Model 2400.2, high impact, rigid vinyl wall covering, .030" (.76) thickness with Windrift texture. Available in standard flat sheet widths of 36" (.91m) and 48" (1.22m), and lengths of 96" (2.44m) and 120" (3.05m). Standard width material also available in continuous 120' (36.58m) roll. Custom width and length dimensions are available. All sizes available with optional Suede texture. Specify color-matched caulk or extruded profile trim for edges and seams. Select from manufacturer's standard or custom colors.

2.03 DESIGN AND PERFORMANCE CRITERIA

- A. 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
- B. Stain Resistance: High impact vinyl components.
 - 1. Material to be tested for stain resistance to various chemical reagents in accordance with ASTM D543.
- C. 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.
- D. 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. Rigid Sheet: Extruded high impact vinyl, nominal 0.030" (.76) thickness, colored throughout.
- B. Trim Profiles: Extruded vinyl, nominal .025" (.64) thickness.
- C. Color-Matched Caulk: Evaporative cure, elastomeric acrylic (latex) sealant with adhesive and silicone additives. Contains SKANE™ M-8 formaldehyde-free mildewcide.

2.05 ACCESSORIES

- A. Adhesive:
 - 1. Model ADH-60 low VOC mastic adhesive.
 - 2. Model ADH-30 3M™ Fastbond™ contact adhesive.
- B. Trim Profiles:
 - 1. Model 2400 Top/End cap trim.
 - 2. Model 2400 Joint/Seam cover.
 - 3. Model 2400 Inside corner trim.
 - 4. Model 2400 Outside corner trim.
- C. Color-Matched Caulk: Model WC-110, 10.5 fl-oz cartridge.
- D. Installation Tools:
 - 1. Model ADH-TROWEL, combination 1/16" (1.6) square-notch and 1/8" (3) V-Notch trowel.
 - 2. Model WC-111 Heavy pressure roller.

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.