

PART 1 - GENERAL**1.01 SUMMARY**

- A. Wall guard systems for wall protection and decoration

1.02 SECTION INCLUDES

- A. **WG-6A** Wall Guard System

1.03 REFERENCES

- A. American Society for Testing and Materials (ASTM)
- B. American National Standard Institute (ANSI)
- C. National Fire Protection Association (NFPA)
- D. Society of Automotive Engineers (SAE)

1.04 SYSTEM DESCRIPTION

- A. Provide wall guard systems that conform to the following requirements of regulatory agencies and the quality control of Prospec Specialties Inc.
 - 1. Fire Performance Characteristics: Provide wall guard conforming with the NFPA Class A fire rating. Surface burning characteristics, as determined by ASTM E-84, shall be flame spread of 25 or less and smoke development of 450 or less.
 - 2. Impact Strength: Provide materials that have been tested in accordance with the applicable provisions of ASTM D-256, Impact Resistance of Plastics.
 - 3. Chemical and Stain Resistance: Provide material that shows resistance to stain when tested in accordance with applicable provisions of ASTM D-543.
 - 4. Fungal and Bacterial Resistance: Provide rigid vinyl that does not support fungal or bacterial growth as tested in accordance with ASTM G-21 and ASTM G-22.
 - 5. GREENGUARD Certified: Provide GREENGUARD Certified profiles. Profiles shall meet the requirements of GREENGUARD Certification Standards for Low Emitting Products and GREENGUARD Product Emission Standard for Children & Schools.
 - 6. Color Consistency: Provide components matched in accordance with SAE J-1545 - (Delta E) with a color difference no greater than 1.0 units using CIE Lab, CIE CMC, CIE LCh, Hunter Lab or similar color space scale systems.

1.05 SUBMITTALS

- A. Manufacturer's product data and detailed specifications for each type of product specified.
- B. Shop Drawing Details with the appropriate fasteners for specific substrates.
- C. Samples of each product specified, 300mm long in color indicated.
- D. Manufacturer's Installation Instructions.

1.06 DELIVERY AND STORAGE

- A. Deliver materials in clearly labeled and unopened factory packs.
- B. Store in a climate controlled and covered location away from direct sunlight.
- C. Materials must be stored flat horizontally.

1.07 PROJECT CONDITIONS

- A. Material must be accustomed to be controlled environment for at least 24 hours prior installation.
- B. Products must be installed in an interior climate-controlled environment.

1.08 WARRANTY

- A. Standard 3 years warranty against material and manufacturing defects.

PART 2 - PRODUCTS**2.01 MANUFACTURER**

- A. **Prospec Specialties Inc.**
26-5250 Satellite Drive, Mississauga,
Ontario L4W 5G5, Canada
- B. Substitutions: Not permitted
- C. Provide all wall guards and wall protection from a single source.

2.02 MANUFACTURED UNITS

- A. Wall Guard Profile
- 1. **WG-6A** System: 152mm height x 25mm depth from wall surface
Minimize seams with 12' standard length

2.03 MATERIALS

- A. Vinyl cover: 2mm thick molded/extruded vinyl third-party tested for the following properties:
 - 1) anti-fungal and anti-microbial as per ASTM G 21
 - 2) stain and chemical resistance as per ASTM D 543
 - 3) flame resistance as per UL 94
 - 4) impact resistance as per ASTM E 2486
 - 5) smoke and surface spread of flame as per ASTM E 84
- B. Aluminum retainer of 2mm thickness, grade 6063-T6 with a mill finish.
- C. Impact Bumper: Extruded EPDM rubber bumper

2.04 COMPONENTS

- A. End caps shall be made of injection molded thermoplastics.
- B. Fasteners: Mounting system accessories appropriate for substrates indicated on the drawing.

2.05 FINISHES

- A. Color of the wall guard cover to be selected by the architect from PROSPEC color chart.
- B. End Caps shall be of a color matching the wall guards or as per architect selection from PROSPEC color chart.

PART 3 - EXECUTION**3.01 EXAMINATION**

- A. Examine areas and conditions under which work is to be performed and identify conditions for proper or timely completion.
- 1. Complete all finishing operations, including painting, before beginning installation.

3.02 PREPARATION

- A. Prior to installation, clean substrate to remove dirt, dust, debris and loose particles.

3.03 INSTALLATION

- A. Install the wall guard according to the manufacturer's recommendations and verify dimensions using only approved mounting hardware and locating all components firmly into position, level and plumb at the height indicated on the drawings.
- B. Temperature at the time of installation must be between 65°-75°F (18°-24°C) and be maintained for at least 48 hours after the installation
- C. Where splices occur to horizontal runs, splice retainers at different locations along the run.

3.04 CLEANING

- A. General: Upon completion of installation, clean the exposed surfaces in accordance with the manufacturer's recommended maintenance instructions.

END OF SECTION