

WALLCOVERINGS – RECOMMENDED SPECIFICATION

Section 10 26 00

[Versa Designed Surfaces Impact Wall Protection System]

Part 1: General

1.1 Summary

1.1.1 - This section includes Versa Designed Surfaces Semi-Rigid Wall Protection System.

1.2 Submittals

1.2.1 – Submittals to comply with Section 01 33 00.

1.2.2 – Product specifications for the product/item from the manufacturer to include:

- a. Installation Instructions
- b. Physical Performance Data
- c. Stain Resistance and Cleanability Data
- d. Durability and Impact Resistance Data
- e. Flame/Smoke Data

1.2.3 – Samples of the product/item representative of the product aesthetics and overall construction.

1.2.4 – Certification from the manufacturer demonstrating compliance with requirements as specified.

1.3 Quality Assurance

1.3.1 – Installer Qualifications: Engage installer that has demonstrated competency with installation of similar Wall Protection Systems.

1.3.2 – Provide product which is compliant with all applicable building code specifications with respect to fire safety and indoor air quality. (IBC, UBC, SBCCI, BOCA, Life Safety and CA01350)

1.4 Delivery, Storage, and Handling

1.4.1 – Delivery: Deliver all materials to the job site in the original unopened manufacturers packaging including all labeling which indicates clearly the manufacturer and item code.

1.4.2 – Storage: All materials should be stored in a clean and dry area in accordance with the manufacturer’s instructions. Climate conditions in the storage area should be controlled as to avoid temperatures <50° F (10°C). Rolls should be stored flat and in their original packaging.

1.4.3 – Handling: Sufficient care should be taken when transporting and installing to prevent damage to the product.

1.5 Environmental Requirements

1.5.1 The wall protection material and the installation site should be maintained between 65°F (18°C) - 80°F (27°C) for a minimum of six days prior to and after installation.

1.5.2 Wall temperature should be maintained within a temperature range of 65°F (18°C) - 80°F (27°C) throughout the installation process.

1.5.3 Direct sunlight exposure should be avoided on the installation surfaces during installation.

1.5.4 Humidity in the installation environment should not exceed 50%.

1.5.5 Wall Protection material should only be installed under permanent lighting conditions.

Part 2: Products

2.1 Manufacturer: Versa Designed Surfaces

2.2 Protective Wallcovering: Versa Wall Protection Semi-Rigid Wall Protection System.

2.2.1 Thickness: 0.031-0.033" (0.79-0.84mm)

2.2.2 Width: 50-52" (130-132cm)

2.2.3 Protective Wear Layer: 0.010" (0.25mm)

2.2.4 Chemical Resistance: Wall surface to show no appreciable staining as defined as "good" or better per ASTM-D1308 after 7 day period of exposure to the following reagents: Hot DI Water (60°C), Isopropyl Alcohol 90%, Vinegar 3%, NaOH solution 10%, H2SO4 solution 10%, Soap solution 1%, Detergent 1%, Bleach solution 5%, Hydrogen Peroxide 3%, Iodine Solution, Ammonia 7%.

2.2.5 Stain Resistance: Wall surface to show no appreciable staining as defined as "good" or better per ASTM-D1308 after 7 day period of exposure to the following reagents: Orange Juice, Butter, Corn Oil, Ketchup, Mustard, Tea, Coffee, and Grease.

2.2.6 Scratch Resistance: No damage to printed surface as tested using large 100g rider and 2000g weight per ASTM D 2197 Hoffman Scratch Test.

2.2.7 Impact Resistance: Minimum of 135 lbs impact force per ASTM D5420-16 to produce ductile failure (cavity breach) of 5/8" drywall when protected by wallcovering.

2.2.8 Abrasion Resistance: Less than 0.05% weight loss following 1000 cycles using CS-10 wheels and 500 gram load per ASTM D1044-163 Taber Abrasion Test.

2.2.9 Fire Rating: Class A per NFPA 101 Life Safety Code

2.3 Adhesives: Use only premium quality extra heavy duty clay based vinyl wallcovering adhesive as recommended by the manufacturer.

Part 3: Execution

3.1 Examination: All wall surfaces should be inspected prior to installation of VersaGuard and Versa Impact Wall Protection materials. Provide written notification to the project Architect in the event that a surface is deemed unacceptable.

3.2 Surface Preparation

3.2.1 Ensure all wall surfaces are prepared in accordance with the manufacturer's written instructions.

3.2.2 Any loose scale, paint, grease, dust, or other contamination should be removed from the surface prior to installation.

3.2.3 Existing wallcovering should be removed prior to installation.

3.2.4 Wall surface should be inspected for uneven surface irregularities and those deemed unacceptable should be repaired and resurfaced prior to installation.

3.2.5 Walls should be sealed using a premium quality primer/sealer prior to installation.

3.3 Installation

3.3.1 Follow all manufacturer's instructions when installing Protective Wallcovering.

3.3.2 The Wall Protection material and adhesive should be allowed to precondition at 65°F (18°C) - 80°F (27°C) ambient temperature and less than 50% humidity for a minimum of six days prior to installation.

3.4 Cleaning

3.4.1 Follow all manufacturer's cleaning and care instructions.

3.4.2 Completely remove all excess adhesive from the decorative surface of the Wall Protection material immediately following installation.