

**SECTION 09 72 00**

**WALL COVERINGS**

**PART 1 GENERAL**

**1.01 DESCRIPTION**

The work of this section shall include all labor, material, equipment accessories and services required and necessary to furnish and install all wallcovering and related items as indicated or specified.

**1.02 REFERENCES**

All materials and services provided shall comply with the following specifications and standards:

- A. American Society For Testing and Materials (ASTM)
  - 1. D1308 - Test Method for Effect of Household Chemicals on clear and Pigmented Organic Finishes.
  - 2. E84 - Test Method for Surface Burning Characteristics of Building Materials.
- B. Federal Specifications (Fed. Spec.)
  - CCC-W-408B - Wallcovering, Vinyl Coated
- C. Federal Standards
  - 1. 191/5041 - Determination of Weight of Textile Materials, Small Specimen Method
  - 2. 191/5100- Strength and Elongation, Breaking of Woven Cloth; Grab Method
- D. General Services Administration (GSA)
  - 1. 4-0995 - Guide Specifications for Wallcovering

**1.04 DELIVERY, STORAGE AND HANDLING**

- A. Deliver materials to the Project site in their original unopened packages or containers bearing label clearly identifying manufacturer, brand, color, dye lot number, pattern, weight and other pertinent information.
- B. Store materials flat in original packages or containers in dry area at a temperature not more than 90 or less than 70°F at least 24 hours before start of installation.

**1.05 PROJECT CONDITIONS**

- A. Maintain spaces to receive the work at a temperature of not more than 90 or less than 70°F at wall base level for at least 48 hours prior to, during and 48 hours after installation.

- B. Install materials only when normal temperature and humidity conditions approximate the interior conditions that will exist when building is occupied.

**1.06 SUBMITTAL**

- A. Submit Product Data Sheets, samples of wallcovering and manufacturer's instructions for cleaning and maintenance procedures.
- B. Samples of wallcovering shall be approximately 54 by 54 inches in size, and shall be representative of the material to be provided for this Project.

**1.07 SAMPLE INSTALLATION**

Install wallcovering in a room selected by the Designated Representative from the rooms scheduled to receive wallcovering. The finished wallcovering in the designated room shall be approved prior to the start of work in other areas. The approved sample wallcovering installation shall be used as the standard for all such work.

**1.08 WARRANTY**

- A. This contract shall provide a two year warranty against faulty materials or workmanship, or both, and against failure of wallcovering, except where such failure is due to abuse or failure of related work installed by other parties.
- B. During the warranty period, restore defective work to the standard of the Contract Documents, including all materials, labor, refinishing and other costs incidental to the work. Inspect the work within 24 hours after receipt of notice from the Purchaser. Restore work found to be defective as defined in the Contract Documents within 10 days after receipt of notice from the Purchaser.

**PART 2 PRODUCTS**

A. Wallcovering

- 1. Wallcovering color, type and finish shall be as specified herein and indicated by the contract documents.
- 2. Vinyl wallcovering shall be pigmented vinyl plastic and plasticizers fused or laminated to dimensionally stable and mildew resistant woven poly/cotton backing, 48 inches to 54 inches in width.
- 3. All wall coverings shall be factory treated with an antimicrobial product to inhibit the growth of deleterious and/or odor causing organisms.

B.

Vinyl wall covering **WC-1**

Roll Width:	54 inches
Roll Length:	30 yds
Weight:	20 oz/lyd
Weight	13.33 oz/sq yd
Type:	Type II
Backing:	100% Recycled Polyester nonwoven

Vinyl wall covering **WC-2**

Roll Width:	52/54 in. 132/137 cm
Total Weight:	27.0 oz PLY 837 g PLM 18.0 oz PSY 610 g PSM
Gauge:	30 Mils 0.76 mm
Fabric:	Osnaburg
Tensile (Minimum):	50 x 55 lbf 222 x 245 N
Tear (Minimum):	25 x 25
Federal:	Spec CCC-W-408A, Type II
WA Spec:	WA-101, Type II
Fire Testing:	NFPA 101® Life Safety Code® NFPA255 (UL723, CAN S102M) Tunnel Test1 Class A Rating NFPA 286 Corner Burn Test2 Meets requirements for Flame Spread, Smoke Developed and Flashover
Repeat	Vertical .5 in. 1.27 cm
	Horizontal .5 in. 1.27 cm
	Nominal Pattern Width 51 in. 130 cm
	Match Information Match Squares, Reverse Hang

Vinyl wall covering **WC-3**

Roll Width:	53/55 in. 134/139 cm
Total Weight:	28.0 oz PLY 868 g PLM 18.67 oz PSY 633 g PSM
Gauge:	28 Mils 0.71 mm
Fabric:	Non-Woven
Tensile(Minimum):	50 x 50 lbf 222 x 222 N
Tear (Minimum):	25 x 25
WA Spec:	WA-W-101, Type II
Fire Testing:	NFPA 101® Life Safety Code®

		NFPA255 (UL723, CAN S102M) Tunnel
		Test1
		Class A Rating
		NFPA 286 Corner Burn Test2
		Meets requirements for Flame
		Spread, Smoke Developed and
		Flashover
Repeat:	Vertical	N/A
	Horizontal	1.5 in. 3.8 cm
	Nominal	Pattern Width 53 in. 134 cm
	Match Information	Straight Match, Reverse Hang
		Slit outside of arrows on both sides

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Examine surfaces to receive materials of this section. Defects which may influence satisfactory completion and performance of this work shall be corrected in accordance with the requirements of the applicable section of work prior to commencement of the work. Commencement will be construed as work in place being acceptable for satisfying the requirements of this section.
- B. Protect the work and adjacent work against damage during progress of work. If further construction work adjacent to the finished wallcovering is necessary, protect wallcovering with suitable materials as recommended by the Wallcovering Manufacturer.
- C. Following completion of work in a space, thoroughly clean wallcovering surface in accordance with Wallcovering Manufacturer's instructions.

#### **3.02 INSTALLATION**

- A. Surface Preparation for vinyl wallcovering
1. Surfaces to received wallcovering shall meet the minimum requirements of the Wallcovering Manufacturer and shall be clean, dry, thoroughly cured and free from materials detrimental to the required bond or materials which will bleed through the wallcovering.
  2. Prime or size plaster surfaces as recommended by the Wallcovering Manufacturer. Neutralize hot areas in plaster.
  3. Prime gypsum wallboard with one coat of vinyl sealer.

4. Previously painted surfaces shall be in sound condition and shall not contain water-sensitive materials or pigments that bleed in water or oils. Test painted surfaces and treat as recommended by the Wallcovering Manufacturer.

5. Work shall not be started until work of other trades that passes through wallcovering has been completed. Remove hardware, plates and other accessories to allow installation and replace upon completion of the work.

B. The entire exposed wall surface shall receive wall covering, unless noted otherwise. This includes but is not limited to reveals, terminations and recesses. Wallcovering shall be tucked into a framing member when possible. The top of partial height walls shall be fully covered unless noted otherwise. Wallcovering shall be underneath all hardware plates and accessories. Trim wallcovering material within three inches of the floor.

C. Mix and apply adhesive in accordance with adhesive manufacturer's instructions.

D. Handle and apply wallcovering in accordance with manufacturer's instructions and the following:

1. Use panels in exact order as they are cut from rolls. use rolls in consecutive order. Fill in spaces above and below windows, above doors and similar areas in sequence from the roll.
2. Trim deeply textured patterns or patterns on which strips must be matched, on a work table, using a metal straight edge and sharp razor blade.

E. The installed wallcovering shall be secure, smooth, clean and without wrinkles, gaps or overlaps. Vertical seams shall be plumb and at least six inches away from any corner. Horizontal seams will not be accepted.

F. Wallcovering shall be discontinuous at control joints in the wall surface.

G. Tuck wallcovering into flanges of hollow metal frame if possible. If not possible cut wallcovering tight against flanges of frame.

H. Installation of Rigid Vinyl Sheet

1. Adhere to substrate with manufacturer's Bond, a freeze-thaw stable, nonflammable, high strength, water based adhesive that trowels on and allows approximately 20 minutes working time before firming.
2. Adhere to substrate with XT-2000+, a freeze-thaw stable, nonflammable, high strength, water based adhesive that

trowels on and allows approximately 20 minutes working time before firming.

3. Adhere to substrate with Fastbond 30, a nonflammable, high strength, water-dispersed contact adhesive, with very little odor. Smooth roll surface.

END SECTION