

FY'03 REPAIRS TO AIR CONDITIONING SYSTEMS

SECTION 09725

VINYL WALL COVERING

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this section to the extent referenced:

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D 751 (1995) Coated Fabrics

FEDERAL SPECIFICATIONS (FS)

FS CCC-W-408 (Rev C) Wallcovering, Vinyl Coated

FEDERAL STANDARDS (FED-STD)

FED-STD 191 (Rev C) Textile Test Methods

UNDERWRITERS LABORATORIES (UL)

UL-02 (1995) Building Materials Directory

1.2 SUBMITTALS

The following shall be submitted in accordance with Section 01330, "Submittals," in sufficient detail to show full compliance with the specification:

SD-01 Data

Manufacturer's Catalog Data shall be submitted for the following items.

Vinyl Wall Covering
Adhesive, Primer, and Sealer
Contact Adhesive

SD-06 Instructions

Manufacturer's Instructions shall be submitted for the following items showing printed instructions covering installation.

Wall Covering
Contact Adhesive

Preventive Maintenance and Inspection shall be submitted for Vinyl Wall Covering showing the manufacturers recommended cleaning

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materials and application methods, including precautions in the use of cleaning materials that may be detrimental to the wall covering surface when improperly applied.

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SD-13 Certificates

Certificates of Compliance shall be submitted for Vinyl Wall Covering including the following.

Certified laboratory test reports of the physical properties for vinyl wall covering, as specified

Certificates of Compliance for UL fire hazard classification listing, as specified

Certificates of Compliance for contact adhesive

SD-14 Samples

Wall Covering: Two samples, 12 inches by 12 inches of each color and grain to be installed in the work, as required to illustrate material weight, color, shade, decorative design, and embossing when required.

1.3 DELIVERY, HANDLING, AND STORAGE

Materials shall be delivered to the project site in their original packages or containers bearing labels clearly identifying the manufacturer, brand name, quality or grade, and UL fire-hazard classification when applicable.

Materials shall be stored in their original, unbroken packages or containers, in a weathertight and dry place having a temperature not less than 65 degrees F, for at least 24 hours before the start of wall covering installation.

PART 2 PRODUCTS

2.1 VINYL WALL COVERING

Vinyl wall covering shall be an integrally pigmented, opaque vinyl film, laminated to, or combined with, a fabric backing.

Wall covering shall be medium-duty type, with a weave or textured pattern, conforming to FS CCC-W-408, Type II, and the following modifications:

Supporting material for wall covering may be mildew-resistant treated at the option of the wall covering manufacturer.

Physical properties shall be as follows:

| <u>REQUIREMENT</u> | <u>TEST METHOD</u> | <u>VALUE</u> |
|---|------------------------|---------------------------------|
| Coating weight, exclusive of fabric backing | FED-STD 191, Test 5041 | Not less than 7 ounces per yard |

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| | | |
|--|------------|--|
| Adhesion of coating to fabric backing | ASTM D 751 | Not less than 3 pounds pull per inch of width |
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Color and grain of wall covering shall match that of the sample approved.

Width of wall covering shall be 53 to 54 inches.

2.2 WALL COVERING ADHESIVE, PRIMER, AND SEALER

Wall covering adhesive, primer, and sealer shall comply with the vinyl wall covering manufacturer's recommendations. These materials shall be mildew-resistant and nonstaining to the wall covering coating.

2.3 UL FIRE HAZARD CLASSIFICATION LISTING AND LABEL

Vinyl wall covering and adhesive shall be listed in UL-02 and shall bear UL label and marking indicating the fire-hazard classification of the wall covering as applied to non-asbestos-cement board and using the adhesive recommended by the wall covering manufacturer, as follows:

Flame spread shall be not more than 25.

Fuel contributed shall be not more than 15.

Smoke developed shall be not more than 50.

PART 3 EXECUTION

3.1 INSTALLATION

3.1.1 Conditions at Building

Spaces to receive vinyl wall covering shall be maintained at a temperature of at least 70 degrees F at wall base level for at least 48 hours prior to, during, and for 48 hours after the completion of the wall covering installation.

Specified materials shall be installed only when ambient temperature and humidity conditions approximate the interior conditions that will exist when the building is occupied.

3.1.2 Preparation of Substrate Surfaces

Surfaces to receive specified materials shall be clean, smooth, thoroughly cured, and free from materials detrimental to achieving the required bond.

Substrates surfaces shall be primed or sealed in accordance with the wall covering manufacturer's recommendations for the type of substrate material.

3.1.3 Wall Covering Application

Application of adhesive and wall covering shall be in accordance with the

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wall covering manufacturer's approved descriptive data, and as specified. Wall covering seams shall be vertical and plumb, and at least 6 inches away from any corner; horizontal seams will not be permitted. Wall covering shall be continuous over internal and external corners. Switchplates, wallplates, and surface-mounted fixtures shall be removed and the wall covering shall be cut evenly to the edges of the outlet box or support. Selvages shall be trimmed in the field; trimming shall be sufficient to ensure color uniformity and matching of grain from one wall

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covering panel to the panel butted against it. Edges shall extend not less than 1/2 inch behind the applied base.

3.1.4 Cleaning

Wall covering surface shall be cleaned of excess adhesive and soil in accordance with the wall covering manufacturer's cleaning instructions.

3.1.5 Excess Materials

After completion of wall covering installation, usable remnants, as determined by the Contracting Officer, shall be separated by type, color, and pattern, then rolled and wrapped for protection from dirt, moisture, and infestation and turned over to the Government.

3.2 ACCEPTANCE PROVISIONS

3.2.1 Rejection

Vinyl wall covering work will be rejected for any of the following deficiencies:

Wall covering having colors and grains that do not match the color or grain of the approved sample

Finished wall covering having horizontal seams, out-of-plumb vertical seams, open seams, air pockets, buckles, wrinkles, loose edges, mismatched panels, or stains that cannot be removed by cleaning

3.2.2 Repairing

Damaged and unacceptable portions of completed work shall be removed and replaced with new work to match adjacent surfaces at no additional cost to the Government.

3.2.3 Cleaning

Surfaces of the new work, and adjacent surfaces soiled as a result of the work, shall be cleaned. Equipment, surplus materials, and rubbish from the work shall be removed from the site.

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