# Part 1 GENERAL

* 1. **SECTION INCLUDES**
     1. Surface preparation.
     2. Wall covering.

# REFERENCES

* + 1. ASTM E84 - Surface burning characteristics of building materials.
    2. FS-CCC-W-408 - Wall Covering, Vinyl-Coated.
    3. ASTM G21 - Resistance of Synthetic Polymeric materials to fungi.
    4. ASTM D751 - Coated Fabrics.
    5. CFFA - Chemical Fabrics and Film Association, CFFA-W-101A - Quality Standard for Vinyl Coated Fabric Wallcovering.

# SUBMITTALS

* + 1. Product data on wall covering and adhesive.
    2. Three samples of wall covering illustrating color, finish and texture. Size: Minimum 54 x 36 inches.
    3. Manufacturer's installation instructions.
    4. Test reports verifying flame and smoke density ratings.
    5. Manufacturer's certification that products meet specified minimums.

# QUALITY ASSURANCE

* + 1. Manufacturer: Company specializing in manufacturing commercial wall fabrics with five years experience.
    2. Applicator: Company specializing in installing wall fabrics with three years experience.
    3. Fire Classification Requirements
       1. ASTM E84: Flame spread less than 25, smoke density less than 450.
    4. Field Samples
       1. Provide three panel field sample panel, full height, illustrating installed wall covering, joint seaming technique.
       2. Locate as approved by Architect.
       3. Approved sample may remain as part of the Work. Disapproved sample shall be removed and replaced.

# DELIVERY, STORAGE AND HANDLING

* + 1. Inspect roll materials on site to verify acceptance.
    2. Protect packaged adhesive from temperature cycling and cold temperatures.
    3. Do not store roll goods on end.

# ENVIRONMENTAL REQUIREMENTS

* + 1. Provide continuous ventilation and heating facilities to maintain substrate surface and ambient temperatures above 65 degrees F unless required otherwise by manufacturer's instructions.
    2. Do not apply primer or adhesive when substrate surface temperature or ambient temperature is below 65 degrees F.
    3. Maintain these conditions 24 hours before, during and after installation of adhesive wall covering.

# WARRANTY

* + 1. Provide manufacturer's five-year, no dollar, no limit, warranty from date of Certified Completion.
    2. Warranty shall include manufacturing defects, permanent surface staining due to mildew, bleed-through of foreign impurities embedded in the fabric backing and separation.

# EXTRA STOCK

* + 1. Provide 25 lineal feet of each color of wall covering.
    2. Package and label each roll by destination room number; store where approved.

# Part 2 PRODUCTS

* 1. **MANUFACTURERS**
     1. Products of following manufacturers form basis for design and quality intended.
        1. R.J.F. International, Marietta, OH. Product: KOROSEAL SERIES.
        2. Dunn-Edwards Wallcoverings, Los Angeles, CA.
        3. Gencorp Products, Newcomerstown, OH.
     2. Or equal as approved in accordance with Section 01600 for substitutions.

# MATERIALS

* + 1. Vinyl Coated Fabric: Koroseal, Complying with CFFA-W-101A, Type II, Class A and Federal Specification CCC-W-408, Type II. Conforming to the following:
       1. Total Weight: 21 oz ply.
       2. Vinyl Weight: 18 oz ply.
       3. Fabric Weight: 3 oz. ply, OSNABURG.
       4. Flame spread less than 25, smoke density less than 450, ASTM E84.
       5. Observed fungi growth rating zero, ASTM G21.
       6. Adhesion of coating to fabric 6 lbs per 2 inch strip, ASTM D751.
       7. Color and Pattern: Refer to Section 09050, Colors and Materials.
    2. Adhesive: No. 790 or No. 785 SHUR STIK premixed vinyl strippable adhesive by Gibson-Homans, Twinsburg, OH, or equal as approved by the manufacturer of the wallcovering.
    3. Substrate Filler: As recommended by adhesive and wall covering manufacturers; compatible with substrate.
    4. Substrate Primer and Sealer: Alkyd type, 88-1, by Dunn-Edwards Corp., comparable Vista product, or equal as approved by the wallcovering and adhesive manufacturers.
    5. Wall Liners for Masonry and Concrete Walls
       1. Non-woven polyester cellulose blend having a minimum weight of 0.125 Kg/square meter (3.7 ounces per square yard) and a total minimum thickness of 0.325 mm (0.013 inches). Wall liner shall have a flame spread rating of 0- 20 and smoke development rating of 0-25 when tested in accordance with ASTM E84.
    6. Outside corner Protection: Provide 1-1/2 by 1-1/2 inches clear anodized aluminum.
       1. Full height, typical at outside corners.

# Part 3 EXECUTION

* 1. **INSPECTION**
     1. Verify that substrate surfaces are ready to receive work, and conform to requirements of the wall covering manufacturer.
     2. Verify flatness tolerance of surfaces does not vary more than 1/8 inch in 10 feet nor vary at a rate greater than 1/16 inch/ft.
     3. Beginning of installation means acceptance of substrate.

# PREPARATION

* + 1. Do not apply wall covering to rough surfaces or which have stains that will bleed through the wall covering. Fill cracks and holes and sand rough spots smooth. [Ma- sonry and concrete walls shall have flush joints. Coat these walls with cement plaster or wall/liner as substrate preparation.]
    2. Surfaces to receive wall covering shall be thoroughly dry. Test moisture content of gypsum board, concrete, and masonry walls with electric moisture meter. Moisture shall not be more than 5 percent.
    3. Prime surfaces of walls as required by manufacturer's instructions. Primer shall be completely dry before adhesive is applied.
    4. Existing surfaces should be clean; free of mildew or loose or flakey paint; and, smooth before the application of primer, and adhesive.

# INSTALLATION

* + 1. Apply adhesive and wall covering in accordance with manufacturer's instructions.
    2. Apply adhesive immediately prior to application of wall covering.
    3. Use wall covering in pattern sequence, starting from highest to lowest number and each strip the same sequence as cut from roll.
    4. Razor trim edges on flat work table. Do not razor cut on gypsum board surfaces.
    5. Apply wall covering smooth, without wrinkles, gaps or overlaps. Eliminate air pock- ets and ensure full bond to substrate surface. Butt edges tight.
    6. Horizontal seams are not acceptable.
    7. Do not seam within 2 inches of internal corners or within 6 inches of external corners.
    8. Install wall covering before installation of bases, cabinets, hardware, or items attached to or spaced slightly from wall surface. Do not install wall covering more than 1/4 inch below top of resilient base.
    9. Cover spaces above and below windows, above doors, in pattern sequence from roll.
    10. Do not apply fabric covering to electrical, telephone and wall plates.
    11. Where wall covering tucks into door frame reveals, or metal wallboard or plaster stops, apply covering with contact adhesive within 6 inches of wall covering termination. Ensure full contact bond.
    12. Remove excess wet adhesive from seam before proceeding to next wallcovering sheet. Wipe clean with dry cloth.

# CLEANING

* + 1. Clean wall coverings of excess adhesive, dust, dirt and other contaminants.
    2. Replace wall plates and accessories removed prior to work of this Section.

# END OF SECTION