

ARCHITECT'S SPECIFICATIONS

TYPE II PVC-FREE WALLCOVERINGS

NOLAR™, TERRALON™, DURALON™

1.0 GENERAL

1.1 Summary

Contractor shall furnish, install and finish environmentally friendly wallcovering as specified in the contract documents.

1.2 Sample

Contractor shall submit for the architect's approval - a sample of each texture, type or color to be installed.

1.3 Compliance

Submit certification that the manufacturer's wallcovering meets the architect's specifications. Submit documentation that the manufacturer's wallcovering is fire rated Class "A".

1.4 Warranty

Contractor will supply the manufacturer's written warranty against defects in workmanship for 5 years from date of installation. Submit manufacturers written warranty.

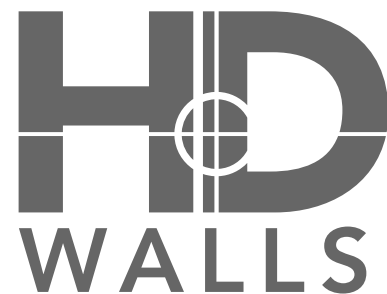
1.5 Delivery, Storage and Handling

All necessary materials for installation including wallcovering, primer and adhesives must be delivered to the job site undamaged. All containers are to be clearly marked with the manufacturers identification label. Store wallcovering rolls and materials in a clean, dry area where temperature and humidity remain constant and within the manufacturers specifications.

1.6 Project Conditions

Environmental conditions must remain constant and over 65 degrees Fahrenheit for at least four days before and throughout the installation and 4-7 days thereafter. Walls shall be finished to the Architect's specification and be free of surface defects and dirt. The Contactor for the installation process must provide sufficient lighting and access.

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2.0 PRODUCTS

2.1 Type II PVC-Free Wallcoverings

- 2.1.1 All PVC-free wallcoverings specified and installed shall meet the latest physical requirements as detailed in Federal Specification CCC-W-408-D for Type II Wallcovering.
- 2.1.2 All wallcoverings specified shall be permeable and breathable and tested according to the Wet Cup test (ASTM E96) scoring a minimum of 60 perms for mold and mildew resistance.
- 2.1.3 The ASTM-E84 test must be passed with the wallcovering mounted to common gypsum wallboard.
- 2.1.4 Wallcovering shall be low voc emitting and meet California Section IAQ 1350 for air quality.
- 2.1.5 Wallcovering must be recyclable and eligible for LEED® credits 4.1, 4.2 (+30% post consumer recycled material).

2.2 Flame and Smoke Characteristics

The manufacturer shall certify that the PVC-free wallcovering supplied meets Federally specified limits for flame, smoke development and flash over according to the required ASTM-E84 and NFPA-101 tests.

2.3 Test Accreditation

All product testing for compliance with Federal Specifications shall be performed and evaluated by one or more of the following independent and accredited testing companies:

Intertek Testing Services NA, Inc.	American Flamecoat Testing
Underwriters Laboratories	Omega Point Laboratories, Inc.
Vartest Laboratories	

2.4 Adhesives and Primers

It is recommended to use Adhesives and Primers designed for permeable wallcoverings. Adhesives and Primers must contain mildew inhibitors. See manufacturer's recommendations for commercially available products.

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3.0 EXECUTION

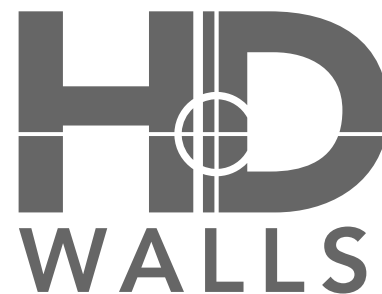
3.1 Inspection

- 1. The Contractor shall provide a complete copy of DreamScape's current Hanging Instructions to the installer pertaining to the installation of the wallcovering. ALL INSTALLATIONS MUST CONFORM TO MANUFACTURERS CURRENT INSTALLATION INSTRUCTIONS AND PRODUCT TECHNICAL INFORMATION.
- 2. All labels shall be checked for accuracy by the installer to insure that the shipment is received as ordered.
- 3. If no defect is evident before installation, the material should be inspected after three (3) panels are installed. If any defect is evident at this time (or any point of the installation) no further material should be applied and Contractor should be contacted IMMEDIATELY.

3.2 Surface Preparation

- A. All hanging surfaces must be clean, smooth, dry, undamaged, free of mold, mildew, grease or stains, and structurally intact. All loose paint and other wallcoverings must be removed. If moisture is present, immediately identify and eliminate the source(s) of the moisture and verify that all wall surfaces are completely dry before proceeding.
- B. Any mold or mildew MUST be removed from walls and hanging surfaces prior to installation. Walls should not contain in excess of 4% residual moisture content. A moisture meter should be used to determine moisture content. Moisture infiltration and accumulation can lead to mold or mildew growth and must be corrected PRIOR to the installation of the wallcovering. This product is intended for use in buildings that are properly designed and maintained to avoid moisture infiltration, condensation and or accumulation at wall cavities and wall surfaces, particularly in warm, humid climates. Old walls shall also be treated with bleach, Lysol and/or other approved, mildew -inhibiting products in order to inhibit further mildew growth.
- C. Proper surface preparation is key to getting great results. To prepare the surface properly, we recommend that you prime all surfaces with a universal, white-pigmented, mold inhibiting wallcovering primer.
- D. For new drywall construction, a coat of wallcovering primer shall be applied to the surface before application of wallcovering. Use a primer that dries to a solid color to conceal drywall joints.
- E. Use only a lead pencil for marking walls and back of wallcovering. Do not use ballpoint or marking pen, they will bleed through the surface.
- F. Do not install wallcovering unless a temperature above 65° degrees F is maintained in both areas of installation and storage for at least 48 hours prior to installation.

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3.3 INSTALLATION

1. If the application is a textured or non-matched wallcovering pattern, reverse hanging of alternate panels is required to ensure color continuity from strip to strip. If the application is a mural it is recommended that every other panel is rotated 180 degrees when printing to minimize the side-to-side color shift that may occur with each printer.
2. Determine whether the pattern match is random, straight across, or drop match. Measure the wall height, allowing for pattern match, add 4 inches, and then cut the wallcovering. It will overlap onto the ceiling and the base approximately 2 inches. Apply the recommended adhesive to the back using either a pasting machine or a paint roller. Work the adhesive in, to cover the back completely, especially near the edges. Fold each end toward the middle, pasted sides together, aligning the edges carefully so they do not dry out. **CAUTION:** Do not crease wallcovering. Allow to "relax" for ten minutes (booking). This will allow the adhesive to penetrate the wallcovering fabric, which is important to a successful installation.
3. WITH ALL DIRECTIONAL PATTERNS, IT IS IMPORTANT TO LINE UP PATTERNS AT EYE LEVEL ALLOWING ANY DRIFT IN LINEUP TO RUN OFF TOWARD CEILING AND FLOOR. THE STANDARD ALLOWANCE IS ONE QUARTER OF AN INCH UP OR DOWN. IF PATTERN IS LINED UP AT THE CEILING THE PATTERN WILL BEGIN MISALIGNMENT SOONER AND THE GAP WILL BE LARGER. ALSO, MOST PATTERNS WILL BE VIEWED AT EYE LEVEL THEREFORE IT IS THAT AREA THAT NEEDS TO LOOK ALIGNED. IF THERE ARE ANY QUESTIONS ABOUT PATTERN LINEUP, CONTACT SUPPLIER. BE SURE FIRST DROP OF WALLCOVERING IS SQUARE ON WALL BY PLUMBING THE WALL AND USING A LEVEL.
4. Avoid burnishing the face of the material. Use a wallcovering brush or a plastic scraper to smooth the wallcovering onto the wall. For optimal durability a liquid topcoat may be used to protect the surface of the wallcovering pattern from stain and abrasion. Caution: a topcoat may significantly reduce the permeability.
5. **Do not rub. Do not allow adhesive to dry on surface as it may leave a white residue. Wash off excess paste from face of wallcovering as you hang it with a cellulose sponge. The cellulose sponge must be rinsed in clean water after every use. Blot dry with a clean cloth.**
6. Place the second strip to the edge of the first strip. Tape seams before overlapping and double cutting to avoid getting adhesive on the wallcovering. If paste does get on the wallcovering, clean it off immediately with clean warm water and blot dry with a clean lint less towel. Use a soft bristle brush to wash the ceiling and the baseboard to remove any paste residue. Do not leave any overlap on the seams since the wallcovering will not adhere to itself. Seams should be vertical, have a tight fit, and be free from air and paste bubbles. Seams should not be located closer than 6" to corners.

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7. After three panels are smoothed to wall surface and excess paste removed, examine the installed panels for color uniformity. Any objectionable variations in color match, pattern match, etc...should be immediately communicated to the printer for inspection before proceeding further with installation.
8. After installation, the walls and wallcovering should be monitored for potential moisture or vapor infiltration or accumulation. Any such infiltration/accumulation after installation must be promptly eliminated in order to reduce the risk of mold/mildew growth.

3.4 CLEAN UP AND COMPLETION

Upon completion of work, remove all surplus material and debris from work site. All work sites must be clean and orderly upon installation crew departure.