ARCHITECT'S SPECIFICATIONS

FABRIC BACKED VINYL WALLCOVERINGS

ARNETTE, ARTIST CANVAS, BEADS, CABRETTA CANVAS, LUSTER, MACHE, MATTE, MYSTICAL, PIQUE, PLASTER, PUEBLO, SANDBLAST, SUEDE

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.

2.0 PRODUCTS

2.1 Vinyl Wallcoverings

All vinyl wallcoverings specified and installed shall meet the latest Federal Specifications CCC-W-408-D and CFFA-W-101-D standards for Vinyl Coated Fabric Wallcovering. All Type I and Type II wallcoverings specified shall contain mold and mildew inhibitors and pass the ASTM-G21 testing for mold and mildew resistance. The ASTM-E84 test must be passed with the wallcovering mounted to common gypsum wallboard.

2.2 Flame and Smoke Characteristics

The manufacturer shall certify that the vinyl wallcovering supplied meets Federally specified limits for flame, smoke development and flash over according to the required ASTM-E84 and NFPA286 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.
Underwriters Laboratories
Omega Point Laboratories, Inc.

2.4 Adhesives and Primers

Adhesives and Primers used must be of the type designed for vinyl wallcoverings. Adhesives and Primers must contain mildew inhibitors. See manufacturer's recommendations for commercially available products.

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 TECHINICAL 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.
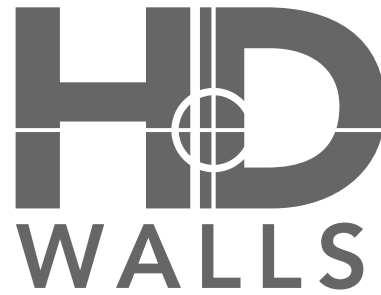
3.2 Surface Preparation

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.

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.

ARCHITECT'S SPECIFICATIONS

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.

7. After three panels are smoothed to wall surface and excess paste removed, examine the installed panels for color uniformity. Any objectionable variations in colormatch, 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.

ARCHITECT'S SPECIFICATIONS

TYPE II PVC-FREE WALLCOVERINGS

NOLAR™, TERRALON™

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.
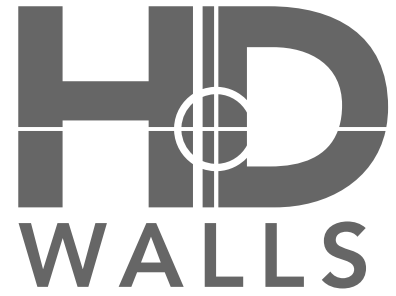
1.5 Delivery, Storage and Handling

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.

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 gyp sum 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.

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 TECHINICAL 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 65º degrees F is maintained in both areas of installation and storage for at least 48 hours prior to installation.
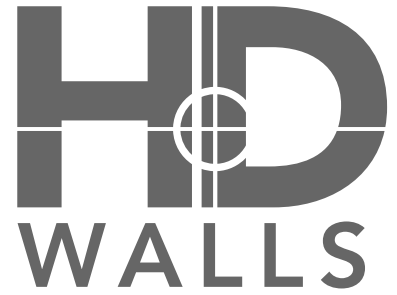
3.3 INSTALLATION

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.

7. After three panels are smoothed to wall surface and excess paste removed, examine the installed panels for color uniformity. Any objectionable variations in colormatch, 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.

CLEANING HD WALLS
VINYL BASED DIGITAL MURALS

1.0 GENERAL CONDITIONS, REMOVING DAY-TO-DAY SOIL

Ordinary dirt and smudges can be removed with a mild soap and warm water. Clean from bottom of wall upward. Rinse thoroughly with clean water from the top down using a sponge. Deeply embossed wallcoverings need extra attention to remove suds or loosened dirt that may lodge in the embossing. Dry wallcovering with a soft lint free cloth or towel.
For more difficult stains that are only surface deep, the use of a stronger detergent is recommended. Always test an inconspicuous area with the stronger detergent to be sure that the surface and ink are not damaged.

DO NOT USE steel wool or powdered abrasives because they can damage the image and textured surface.
DO NOT USE solvents, alcohol, pine oil, or cleaners that contain these kinds of products as they can remove the image and damage the textured surface.

When cleaning, always take measures to prevent water from dripping behind molding.

NEVER MIX CLEANING AGENTS TOGETHER, VIOLENT REACTIONS MAY OCCUR.

2.0 SURFACE PROTECTION

HD walls prints using durable UV inks that are easily cleaned and highly resistant to abrasion from surface contact.

We recommend DreamGuard Protex 3 for an extra measure of protection where surfaces are exposed to frequent collisions, scuffing, food stains, etc. DreamGuard Protex 3 is a water-based, non-hazardous topcoat that can be applied with commercial liquid laminating equipment as well as with a paint roller. Surfaces treated with DreamGuard Protex3 are significantly more durable in heavy wear areas.

GLASSTEX™
INSTALLATION PROCEDURE

(Suggested Tools: Scissors, Tape Measure, Razor Knife, Ruler, Plastic Card Squeegee, Spray Bottle, Paper Towel)

1. Clean the areas to which the film is to be applied, removing all traces of dirt, grime, grease, etc.

2. Carefully measure the height and width of the glass surface. Oversize the film up to 3/4″ extra material on each side of the film and cut the film to this size.

3. Create your own wetting solution by adding 8 drops (a one second short squeeze) of very mild detergent (baby shampoo or dish detergent like "Joy" NOT HAND SOAP) into a 32oz. spray bottle filled with water.

4. Lay the cut to size decorative film on a clean flat surface with the release liner up, or have someone hold the piece to be applied for you. Remove the release liner and spray the now exposed adhesive surface thoroughly with the wetting solution. Apply a generous amount of the wetting solution to the glass. The wetting solution prevents the film from sticking to the surface immediately, thereby allowing you more time in which to properly position the film.

5. Place the now wet film onto the clean glass surface. Wet the face of the film to be squeegeed. Use the plastic card squeegee and squeegee from the center out towards the edges to remove any air bubbles and wetting solution. Double check that the film is flat and smooth with no remaining air bubbles and water .

6. If any bubbles are not removed after Step 4, then squeegee them out towards the closest edge.

7. Trim the excess film from the edges of the surface. It is ideal to cut in one continuous movement, using the ruler and razor knife. Use the paper towels for cleaning the glass surface and for the absorption of excess wetting solution around the edges.

8. The film may take a few days to dry in order for it to completely adhere to the glass surface.

PRECAUTIONS:
• The surface to which the film will be applied should be very clean, free of dirt, dust particles and silicone. Make sure there are no dry spots on the film prior to placing it onto the glass.
• Take care that when removing the release liner the film does not roll over onto itself. It will stick together and is difficult to pull apart. Wet the film as the liner is removed!

TIP TO REMOVE LINER:
To separate the liner from the film take two pieces of scotch tape and stick them opposite each other at one corner...then pull these two pieces of tape apart and the liner will separate from the film. The adhesive surface will now be exposed. Wet this adhesive surface. Do not let the film fall upon itself as it will stick if not wet and it will be hard to separate!
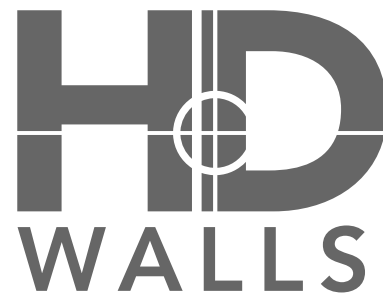
SEAMING FILMS
For windows that are wider than the available width of glassTex™ films, Industry standards allow for seaming. Standard Installation for seaming is a but-join type seam. The films are overlapped and cut through with a sharp blade using a straight edge. The excess films are removed. A slight light line may appear. This is normally the width of the blade point. This is acceptable.

MAINTENANCE, CLEANING AND CARE
glassTex™ Decorative Window Films are virtually maintenance free. No special care is necessary. Normal cleaning with a mild window cleaner is ideal. (Windex, Glass Plus, Ammonia and water are all fine with a clean soft paper towel or squeegee). It is not recommended that anything abrasive be used. The frequency of cleaning will not affect the film in any way.

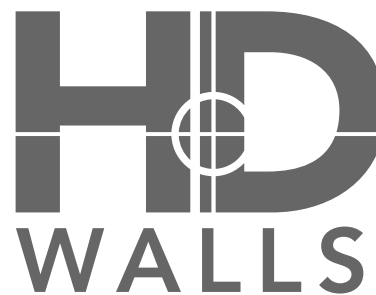# INSTALLATION INSTRUCTIONS: MYLAR

HD WALLS

IMPORTANT GUIDELINES FOR CONTRACTORS AND SUPPLIERS- STOP & READ BEFORE INSTALLING

1. The supplier 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 TECHINICAL INFORMATION IN ORDER FOR MANUFACTURER'S WARRANTY PROTECTIONS TO APPLY. If the wallcovering is installed in a manner other than that recommended by Roysons, it is done at the sole risk of the installer and Roysons' warranty protections do not apply. Use of a mold inhibiting primer product and the use of an adhesive containing a mildew inhibitor is recommended.

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 your supplier should be contacted IMMEDIATELY. ROYSONS WILL NOT BE LIABLE FOR CHARGES OVER THREE PANELS OF MATERIAL. Roysons will replace defective wallcovering in accordance with the terms of its Limited and Exclusive Warranty. If there are any questions on the following instructions, contact your supplier before proceeding.

SURFACE PREPARATION

• 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 should 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.

• 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. If you are unsure if moisture problems are present, consult a qualified professional before proceeding. 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. Walls should also be treated with bleach, Lysol and/or other approved, mildew –inhibiting products in order to inhibit further mildew growth. DreamScape will not be responsible for any performance and/or quality issues if moisture problems are not addressed before installation, and/or if the building is not properly maintained to prevent moisture infiltration following installation.

• 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. For perforated wallcovering a high quality permeable primer, such as Roman UltraPlus Pro-990, should be used along with the matching adhesive.

• For new drywall construction, a coat of wallcovering primer should be applied to the surface before application of wallcovering. Use a primer that dries to a solid color to conceal drywall joints.

• 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.

• Do not install wallcovering unless a temperature above 65º degrees F is maintained in both areas of installation and storage for at least 48 hours prior to installation.

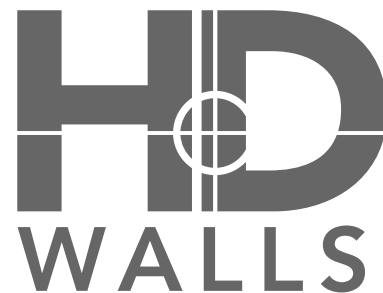# INSTALLATION INSTRUCTIONS: MYLAR

HD WALLS

ADHESIVE APPLICATION

Hang wallcovering with a premium quality heavy-duty clear pre-mixed adhesive. Use of a mildew inhibitor in the adhesive is recommended as above instructions. For perforated wallcovering a high quality permable adhesive, such as Roman UltraPlus Pro-550, should be used with the permeable primer. Do not dilute adhesive. Brush an even coat of paste over entire back of wallcovering. Pay particular attention to run over edges so they are sure to be pasted. Book material for ten minutes.

APPLYING WALLCOVERING TO WALL SURFACE

• 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.

• 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.

• 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.

• 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 we recommend topcoating with DreamGuard Protex3 to help protect the surface of the wallcovering pattern from stain and abrasion. DreamGuard can be applied with paint roller either before installation or after installation (see separate instructions). If the intent is to perforate the vinyl we recommend coating with DreamGuard prior to perforation for optimal breathability and the highest perm rating.

• Do not rub. Do not allow vinyl 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.

• 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 vinyl, 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 vinyl 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.

• After three panels are smoothed to wall surface and excess paste removed, examine the installed panels for color uniformity. Any objectionable variations in colormatch, pattern match, etc...should be immediately communicated to the printer for inspection before proceeding further with installation.

• 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.

INSTALLATION INSTRUCTIONS: MYLAR

LIMITED AND EXCLUSIVE WARRANTY

HD Walls ("Manufacturer / Distributor") warrants that for a period of five years from the sale of its digital wallcovering products ("Products") that the Products shall be free of manufacturing defects, and that Products shall not separate from their backings, and/or exhibit stains caused by bleeding of impurities. Products should not support the growth of mildew when Products are properly printed and installed on a sound wall following the recommended preparation and hanging procedures outlined in the installation instructions, and are adequately maintained and used under normal conditions.

HD Walls Limited and Exclusive Warranty is not assignable or transferable and extends only to purchasers who are the owners of products at the time of installation.

This warranty does not cover and expressly excludes any damage, loss, cost, defect or deficiency arising out of or relating to: (a) accident, abuse, misuse or vandalism; (b) mold or mildew; (c) use of incompatible materials, accessories or supplies; (d) abnormal conditions of use, including use on walls subject to moisture infiltration or accumulation; (e) improper storage, handling, installation, or maintenance; (f) design, installation or construction defects and/or deficiencies of any kind or nature; (g) fire, flood or other acts, omissions, causes or events beyond HD Walls' control; (h) wallcovering that has been altered by anyone other than HD Walls; or (i) any other loss, cost, damage, defect or deficiency not within the scope of this limited and exclusive warranty.
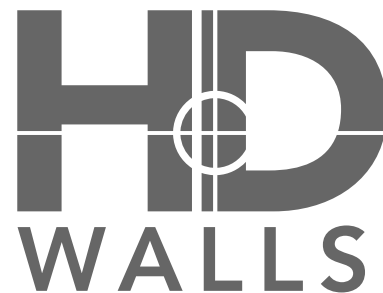
THIS WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY HD WALLLS WITH RESPECT TO THESE PRODUCTS. ALL OTHER REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, ARE EXPRESSLY DISCLAIMED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTIES CLAIMED TO ARISE FROM TRADE USAGE, CUSTOM OR COURSE OF DEALING. HD Walls shall supply replacement products free of charge if HD Walls determines upon inspection that any Products fail to conform to this warranty. The foregoing constitutes the SOLE AND EXCLUSIVE REMEDY for breach of this warranty.

IN NO EVENT WILL HD WALLS OR IT'S DISTRIBUTORS BE LIABLE FOR INDIRECT, CONSEQUENTIAL, SPECIAL OR EXEMPLARY DAMAGES, WHETHER BASED IN CONTRACT, TORT, WARRANTY, STRICT LIABILITY OR OTHERWISE. THIS LIMITED AND EXCLUSIVE WARRANTY SHALL SUPERSEDE AND CONTROL ANY OTHER REPRESENTATIONS AND/OR WARRANTIES WITH RESPECT TO THIS PRODUCT. IN NO EVENT SHALL DREAMSCAPE' LIABILITY EXCEED THE PURCHASE PRICE AND/OR INVOICED VALUE OF THE GOODS.

All claims under HD Walls' Limited and Exclusive Warranty must be submitted, in writing, to your supplier, within thirty (30) days after Buyer discovers and/or should have discovered the alleged defects. HD Walls shall then be provided a reasonable opportunity to examine the allegedly nonconforming Products and verify any such defect before its use or further processing. FAILURE OF BUYER TO COMPLY WITH THESE NOTICE PROVISIONS SHALL CONSTITUTE A WAIVER BY BUYER OF ALL CLAIMS IN RESPECT THERETO.

National Fire Protection Association
The authority on fire, electrical and building safe!
NFPA®

ASTM INTERNATIONAL

BS 476
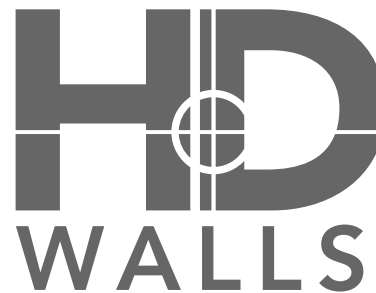*Part 6/7 Certified*

NOLAR™
INSTALLATION PROCEDURE

HD WALLS

Please note: Extra care must be taken during installation as Nolar™ is more susceptible to creasing than traditional vinyl wallcovering products.

IMPORTANT GUIDELINES FOR CONTRACTORS AND SUPPLIERS- STOP & READ BEFORE INSTALLING

1. The supplier shall provide a complete copy of HD Walls' current Installation Instructions to the installer pertaining to the installation of the wallcovering. ALL INSTALLATIONS MUST CONFORM TO MANUFACTURERS CURRENT INSTALLATION INSTRUCTIONS AND PRODUCT TECHINICAL INFORMATION IN ORDER FOR MANUFACTURER'S WARRANTY PROTECTIONS TO APPLY. If the wallcovering is installed in a manner other than that recommended by Roysons, it is done at the sole risk of the installer and Roysons' warranty protections do not apply. Use of a mold inhibiting primer product and the use of an adhesive containing a mildew inhibitor is recommended.

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 your supplier should be contacted IMMEDIATELY. ROYSONS WILL NOT BE LIABLE FOR CHARGES OVER THREE PANELS OF MATERIAL. Roysons will replace defective wallcovering in accordance with the terms of its Limited and Exclusive Warranty. If there are any questions on the following instructions, contact your supplier before proceeding.

SURFACE PREPARATION

• 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 should 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.
• 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. If you are unsure if moisture problems are present, consult a qualified professional before proceeding. 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. Walls should also be treated with bleach, Lysol and/or other approved, mildew –inhibiting products in order to inhibit further mildew growth. DreamScape will not be responsible for any performance and/or quality issues if moisture problems are not addressed before installation, and/or if the building is not properly maintained to prevent moisture infiltration following installation.
• 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. For perforated wallcovering a high quality permeable primer, such as Roman UltraPlus Pro-990, should be used along with the matching adhesive.
• 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.
• Do not install wallcovering unless a temperature above 65º degrees F is maintained in both areas of installation and storage for at least 48 hours prior to installation.

HD WALLS

NOLAR™
INSTALLATION PROCEDURE

ADHESIVE

Nolar™ is a highly permeable wallcovering and should be installed with a heavy duty adhesive and primer with mold and mildew inhibitors. Manufacturers such as Roman Decorating and Zinsser offer permeable adhesives and primers with advanced mold and mildew protection. Please check with these manufacturers for their latest products.
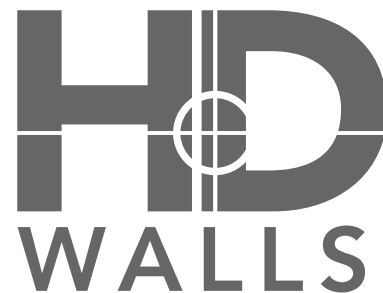
ADHESIVE APPLICATION

Do not dilute adhesive. Brush an even coat of paste over entire back of wallcovering. Gently double material together and "book" material for ten minutes. Do not fold or crease booked material.

SELECTING AND CUTTING WALLCOVERING

• Before cutting, examine goods to make certain pattern color is satisfactory and as ordered. The installer should have a sample of wallcovering pattern for comparison.
• Check all roll tickets to determine if more than one run number (lot number) of the same pattern color is to be hung.
• Cut rolls in sequential order starting with the highest number working down to the lowest number. Make certain that run numbers are broken at the corners only. Allow for matching of repeats and trimming at ceilings and baseboards.
• Number panels and headers as they are cut from the roll and apply to wall in same sequence.

APPLYING WALLCOVERING TO WALL SURFACE

• When installing textured or non-matched patterns, reverse hanging of alternate panels is required to ensure color continuity from strip to strip.
• 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.
• 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.
• 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 we recommend topcoating with DreamGuard Protex3 to help protect the surface of the wallcovering pattern from stain and abrasion. DreamGuard can be applied with paint roller either before installation or after installation (see separate instructions). If the intent is to perforate the vinyl we recommend coating with DreamGuard prior to perforation for optimal breathability and the highest perm rating.
• Do not rub. Do not allow vinyl 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.

NOLAR™
INSTALLATION PROCEDURE

• 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 vinyl, 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 vinyl 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.
• After three panels are smoothed to wall surface and excess paste removed, examine the installed panels for color uniformity. Any objectionable variations in colormatch, pattern match, etc...should be immediately communicated to the printer for inspection before proceeding further with installation.
• 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.

LIMITED AND EXCLUSIVE WARRANTY

DreamScape ("Manufacturer / Distributor") warrants that for a period of five years from the sale of its digital wallcovering products ("Products") that the Products shall be free of manufacturing defects, and that Products shall not separate from their backings, and/or exhibit stains caused by bleeding of impurities. Products should not support the growth of mildew when Products are properly printed and installed on a sound wall following the recommended preparation and hanging procedures outlined in the installation instructions, and are adequately maintained and used under normal conditions.

DreamScape Limited and Exclusive Warranty is not assignable or transferable and extends only to purchasers who are the owners of products at the time of installation.

This warranty does not cover and expressly excludes any damage, loss, cost, defect or deficiency arising out of or relating to: (a) accident, abuse, misuse or vandalism; (b) mold or mildew; (c) use of incompatible materials, accessories or supplies; (d) abnormal conditions of use, including use on walls subject to moisture infiltration or accumulation; (e) improper storage, handling, installation, or maintenance; (f) design, installation or construction defects and/or deficiencies of any kind or nature; (g) fire, flood or other acts, omissions, causes or events beyond DreamScape's' control; (h) wallcovering that has been altered by anyone other than DreamScape; or (i) any other loss, cost, damage, defect or deficiency not within the scope of this limited and exclusive warranty.

THIS WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY DREAMSCAPE WITH RESPECT TO THESE PRODUCTS. ALL OTHER REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, ARE EXPRESSLY DISCLAIMED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTIES CLAIMED TO ARISE FROM TRADE USAGE, CUSTOM OR COURSE OF DEALING. DreamScape shall supply replacement products free of charge if DreamScape determines upon inspection that any Products fail to conform to this warranty. The foregoing constitutes the SOLE AND EXCLUSIVE REMEDY for breach of this warranty.

IN NO EVENT WILL DREAMSCAPE OR IT'S DISTRIBUTORS BE LIABLE FOR INDIRECT, CONSEQUENTIAL, SPECIAL OR EXEMPLARY DAMAGES, WHETHER BASED IN CONTRACT, TORT, WARRANTY, STRICT LIABILITY OR OTHERWISE. THIS LIMITED AND EXCLUSIVE WARRANTY SHALL SUPERSEDE AND CONTROL ANY OTHER REPRESENTATIONS AND/OR WARRANTIES WITH RESPECT TO THIS PRODUCT. IN NO EVENT SHALL DREAMSCAPE' LIABILITY EXCEED THE PURCHASE PRICE AND/OR INVOICED VALUE OF THE GOODS.

NOLAR™
INSTALLATION PROCEDURE

HD WALLS

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CARE AND MAINTENANCE OF WALLCOVERING

General Conditions Day to Day Soil

Ordinary dirt and smudges can be removed with a mild soap and warm water. Clean from bottom of wall upward. Rinse thoroughly with clean water from the top down using a sponge. Deeply embossed wallcoverings need extra attention in case suds or loosened dirt lodge in depressed surfaces. Dry wallcovering with a soft lint free cloth or towel. For more difficult stains that are only surface deep, the use of a stronger detergent is recommended: however, the manufacturer's instructions should be followed carefully.

Not recommended for cleaning are steel wool or powdered abrasive because they mark the surface leaving an unsightly appearance. DO NOT use active solvent type cleaning preparations, such as nail polish remover, etc...because they remove print, and/or finish from the wallcovering.

Care should be taken that water dripping down the wall does not run behind the floor molding. The molding can be discolored and/or permanently damaged. All stains should be attempted to be removed with soap and water first. Iso-Propel alcohol may set some stains that soap and water may remove.

DreamGuard Protex AM

For added protection against scratch, abrasion and mildew we recommend applying DreamGuard Protex AM. DreamGuard Protex Anti-Microbial is a water based, non-hazardous liquid topcoat specially formulated to resist mold and mildew growth and protect against surface scratches and abrasion. DreamGuard is easily applied with a common paint roller and dries to a clear finish in 45 minutes. Available in three finishes; gloss, satin and matte.

TERRALON™
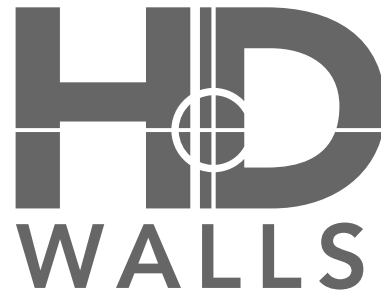# INSTALLATION PROCEDURE

HD WALLS

Please note: Extra care must be taken during installation as Terralon™ is more susceptible to creasing than traditional vinyl wallcovering products.

IMPORTANT GUIDELINES FOR CONTRACTORS AND SUPPLIERS- STOP & READ BEFORE INSTALLING

1. The supplier shall provide a complete copy of HD Walls' current Installation Instructions to the installer pertaining to the installation of the wallcovering. ALL INSTALLATIONS MUST CONFORM TO MANUFACTURERS CURRENT INSTALLATION INSTRUCTIONS AND PRODUCT TECHINICAL INFORMATION IN ORDER FOR MANUFACTURER'S WARRANTY PROTECTIONS TO APPLY. If the wallcovering is installed in a manner other than that recommended by Roysons, it is done at the sole risk of the installer and Roysons' warranty protections do not apply. Use of a mold inhibiting primer product and the use of an adhesive containing a mildew inhibitor is recommended.

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 your supplier should be contacted IMMEDIATELY. ROYSONS WILL NOT BE LIABLE FOR CHARGES OVER THREE PANELS OF MATERIAL. Roysons will replace defective wallcovering in accordance with the terms of its Limited and Exclusive Warranty. If there are any questions on the following instructions, contact your supplier before proceeding.

SURFACE PREPARATION

• 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 should 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.
• 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. If you are unsure if moisture problems are present, consult a qualified professional before proceeding. 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. Walls should also be treated with bleach, Lysol and/or other approved, mildew –inhibiting products in order to inhibit further mildew growth. DreamScape will not be responsible for any performance and/or quality issues if moisture problems are not addressed before installation, and/or if the building is not properly maintained to prevent moisture infiltration following installation.
• 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. For perforated wallcovering a high quality permeable primer, such as Roman UltraPlus Pro-990, should be used along with the matching adhesive.
• 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.
• Do not install wallcovering unless a temperature above 65º degrees F is maintained in both areas of installation and storage for at least 48 hours prior to installation.

TERRALON™
INSTALLATION PROCEDURE

H D WALLS

ADHESIVE

Terralon is a highly permeable wallcovering and should be installed with a heavy duty adhesive and primer with mold and mildew inhibitors. Manufacturers such as Roman Decorating and Zinsser offer permeable adhesives and primers with advanced mold and mildew protection. Please check with these manufacturers for their latest products.
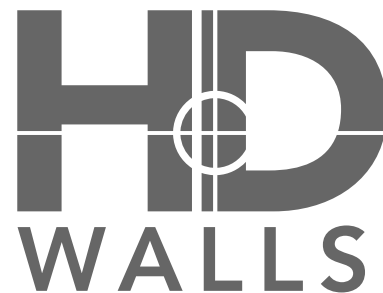
ADHESIVE APPLICATION

Do not dilute adhesive. Brush an even coat of paste over entire back of wallcovering. Gently double material together and "book" material for ten minutes. Do not fold or crease booked material.

SELECTING AND CUTTING WALLCOVERING

• Before cutting, examine goods to make certain pattern color is satisfactory and as ordered. The installer should have a sample of wallcovering pattern for comparison.
• Check all roll tickets to determine if more than one run number (lot number) of the same pattern color is to be hung.
• Cut rolls in sequential order starting with the highest number working down to the lowest number. Make certain that run numbers are broken at the corners only. Allow for matching of repeats and trimming at ceilings and baseboards.
• Number panels and headers as they are cut from the roll and apply to wall in same sequence.

APPLYING WALLCOVERING TO WALL SURFACE

• When installing textured or non-matched patterns, reverse hanging of alternate panels is required to ensure color continuity from strip to strip.
• 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.
• 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.
• 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 we recommend topcoating with DreamGuard Protex3 to help protect the surface of the wallcovering pattern from stain and abrasion. DreamGuard can be applied with paint roller either before installation or after installation (see separate instructions). If the intent is to perforate the vinyl we recommend coating with DreamGuard prior to perforation for optimal breathability and the highest perm rating.
• Do not rub. Do not allow vinyl 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.

TERRALON™
INSTALLATION PROCEDURE

• 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 vinyl, 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 vinyl 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.
• After three panels are smoothed to wall surface and excess paste removed, examine the installed panels for color uniformity. Any objectionable variations in colormatch, pattern match, etc...should be immediately communicated to the printer for inspection before proceeding further with installation.
• 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.

LIMITED AND EXCLUSIVE WARRANTY

DreamScape ("Manufacturer / Distributor") warrants that for a period of five years from the sale of its digital wallcovering products ("Products") that the Products shall be free of manufacturing defects, and that Products shall not separate from their backings, and/or exhibit stains caused by bleeding of impurities. Products should not support the growth of mildew when Products are properly printed and installed on a sound wall following the recommended preparation and hanging procedures outlined in the installation instructions, and are adequately maintained and used under normal conditions.
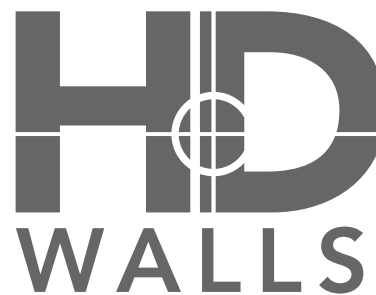
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THIS WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY DREAMSCAPE WITH RESPECT TO THESE PRODUCTS. ALL OTHER REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, ARE EXPRESSLY DISCLAIMED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTIES CLAIMED TO ARISE FROM TRADE USAGE, CUSTOM OR COURSE OF DEALING. DreamScape shall supply replacement products free of charge if DreamScape determines upon inspection that any Products fail to conform to this warranty. The foregoing constitutes the SOLE AND EXCLUSIVE REMEDY for breach of this warranty.

IN NO EVENT WILL DREAMSCAPE OR IT'S DISTRIBUTORS BE LIABLE FOR INDIRECT, CONSEQUENTIAL, SPECIAL OR EXEMPLARY DAMAGES, WHETHER BASED IN CONTRACT, TORT, WARRANTY, STRICT LIABILITY OR OTHERWISE. THIS LIMITED AND EXCLUSIVE WARRANTY SHALL SUPERSEDE AND CONTROL ANY OTHER REPRESENTATIONS AND/OR WARRANTIES WITH RESPECT TO THIS PRODUCT. IN NO EVENT SHALL DREAMSCAPE' LIABILITY EXCEED THE PURCHASE PRICE AND/OR INVOICED VALUE OF THE GOODS.

HD WALLS

TERRALON™
INSTALLATION PROCEDURE

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CARE AND MAINTENANCE OF WALLCOVERING

General Conditions Day to Day Soil

Ordinary dirt and smudges can be removed with a mild soap and warm water. Clean from bottom of wall upward. Rinse thoroughly with clean water from the top down using a sponge. Deeply embossed wallcoverings need extra attention in case suds or loosened dirt lodge in depressed surfaces. Dry wallcovering with a soft lint free cloth or towel. For more difficult stains that are only surface deep, the use of a stronger detergent is recommended: however, the manufacturer's instructions should be followed carefully.
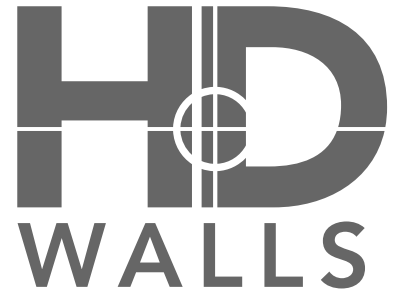
Not recommended for cleaning are steel wool or powdered abrasive because they mark the surface leaving an unsightly appearance. DO NOT use active solvent type cleaning preparations, such as nail polish remover, etc...because they remove print, and/or finish from the wallcovering.

Care should be taken that water dripping down the wall does not run behind the floor molding. The molding can be discolored and/or permanently damaged. All stains should be attempted to be removed with soap and water first. Iso-Propel alcohol may set some stains that soap and water may remove.

DreamGuard Protex AM

For added protection against scratch, abrasion and mildew we recommend applying DreamGuard Protex AM. DreamGuard Protex Anti-Microbial is a water based, non-hazardous liquid topcoat specially formulated to resist mold and mildew growth and protect against surface scratches and abrasion. DreamGuard is easily applied with a common paint roller and dries to a clear finish in 45 minutes. Available in three finishes; gloss, satin and matte.

INSTALLATION INSTRUCTIONS:
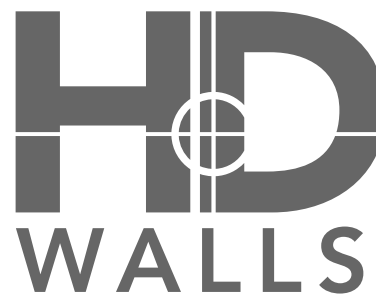# VINYL WALLCOVERINGS

IMPORTANT GUIDELINES FOR CONTRACTORS AND SUPPLIERS- STOP & READ BEFORE INSTALLING

1. The supplier 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 TECHINICAL INFORMATION IN ORDER FOR MANUFACTURER'S WARRANTY PROTECTIONS TO APPLY. If the wallcovering is installed in a manner other than that recommended by Roysons, it is done at the sole risk of the installer and Roysons' warranty protections do not apply. Use of a mold inhibiting primer product and the use of an adhesive containing a mildew inhibitor is recommended.
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 your supplier should be contacted IMMEDIATELY. ROYSONS WILL NOT BE LIABLE FOR CHARGES OVER THREE PANELS OF MATERIAL. Roysons will replace defective wallcovering in accordance with the terms of its Limited and Exclusive Warranty. If there are any questions on the following instructions, contact your supplier before proceeding.

SURFACE PREPARATION

• 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 should 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.
• 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. If you are unsure if moisture problems are present, consult a qualified professional before proceeding. 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. Walls should also be treated with bleach, Lysol and/or other approved, mildew –inhibiting products in order to inhibit further mildew growth. DreamScape will not be responsible for any performance and/or quality issues if moisture problems are not addressed before installation, and/or if the building is not properly maintained to prevent moisture infiltration following installation.
• 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. For perforated wallcovering a high quality permeable primer, such as Roman UltraPlus Pro-990, should be used along with the matching adhesive.
• For new drywall construction, a coat of wallcovering primer should be applied to the surface before application of wallcovering. Use a primer that dries to a solid color to conceal drywall joints.
• 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.
• Do not install wallcovering unless a temperature above 65º degrees F is maintained in both areas of installation and storage for at least 48 hours prior to installation.

INSTALLATION INSTRUCTIONS:
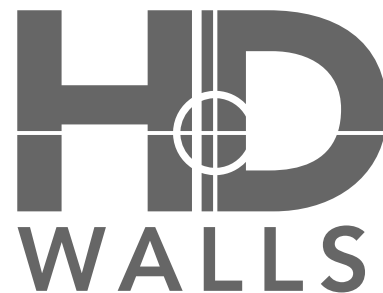# VINYL WALLCOVERINGS

HD WALLS

ADHESIVE APPLICATION

Hang wallcovering with a premium quality heavy-duty clear pre-mixed adhesive. Use of a mildew inhibitor in the adhesive is recommended as above instructions. For perforated wallcovering a high quality permable adhesive, such as Roman UltraPlus Pro-550, should be used with the permeable primer. Do not dilute adhesive. Brush an even coat of paste over entire back of wallcovering. Pay particular attention to run over edges so they are sure to be pasted. Book material for ten minutes.

APPLYING WALLCOVERING TO WALL SURFACE

• 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.

• 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.

• 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.

• 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 we recommend topcoating with DreamGuard Protex3 to help protect the surface of the wallcovering pattern from stain and abrasion. DreamGuard can be applied with paint roller either before installation or after installation (see separate instructions). If the intent is to perforate the vinyl we recommend coating with DreamGuard prior to perforation for optimal breathability and the highest perm rating.

• Do not rub. Do not allow vinyl 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.

• 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 vinyl, 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 vinyl 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.

• After three panels are smoothed to wall surface and excess paste removed, examine the installed panels for color uniformity. Any objectionable variations in colormatch, pattern match, etc...should be immediately communicated to the printer for inspection before proceeding further with installation.

• 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.

INSTALLATION INSTRUCTIONS:
VINYL WALLCOVERINGS

HD WALLS

LIMITED AND EXCLUSIVE WARRANTY

HD Walls ("Manufacturer / Distributor") warrants that for a period of five years from the sale of its digital wallcovering products ("Products") that the Products shall be free of manufacturing defects, and that Products shall not separate from their backings, and/or exhibit stains caused by bleeding of impurities. Products should not support the growth of mildew when Products are properly printed and installed on a sound wall following the recommended preparation and hanging procedures outlined in the installation instructions, and are adequately maintained and used under normal conditions.

HD Walls Limited and Exclusive Warranty is not assignable or transferable and extends only to purchasers who are the owners of products at the time of installation.

This warranty does not cover and expressly excludes any damage, loss, cost, defect or deficiency arising out of or relating to: (a) accident, abuse, misuse or vandalism; (b) mold or mildew; (c) use of incompatible materials, accessories or supplies; (d) abnormal conditions of use, including use on walls subject to moisture infiltration or accumulation; (e) improper storage, handling, installation, or maintenance; (f) design, installation or construction defects and/or deficiencies of any kind or nature; (g) fire, flood or other acts, omissions, causes or events beyond HD Walls' control; (h) wallcovering that has been altered by anyone other than HD Walls; or (i) any other loss, cost, damage, defect or deficiency not within the scope of this limited and exclusive warranty.
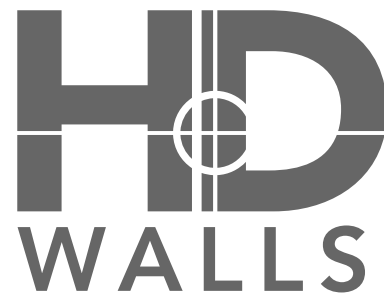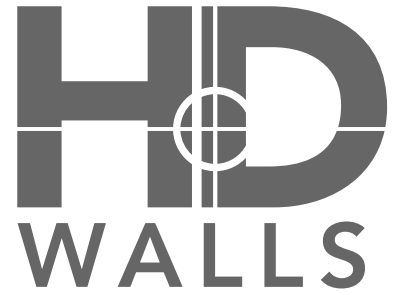
THIS WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY HD WALLLS WITH RESPECT TO THESE PRODUCTS. ALL OTHER REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, ARE EXPRESSLY DISCLAIMED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTIES CLAIMED TO ARISE FROM TRADE USAGE, CUSTOM OR COURSE OF DEALING. HD Walls shall supply replacement products free of charge if HD Walls determines upon inspection that any Products fail to conform to this warranty. The foregoing constitutes the SOLE AND EXCLUSIVE REMEDY for breach of this warranty.

IN NO EVENT WILL HD WALLS OR IT'S DISTRIBUTORS BE LIABLE FOR INDIRECT, CONSEQUENTIAL, SPECIAL OR EXEMPLARY DAMAGES, WHETHER BASED IN CONTRACT, TORT, WARRANTY, STRICT LIABILITY OR OTHERWISE. THIS LIMITED AND EXCLUSIVE WARRANTY SHALL SUPERSEDE AND CONTROL ANY OTHER REPRESENTATIONS AND/OR WARRANTIES WITH RESPECT TO THIS PRODUCT. IN NO EVENT SHALL DREAMSCAPE' LIABILITY EXCEED THE PURCHASE PRICE AND/OR INVOICED VALUE OF THE GOODS.

All claims under HD Walls' Limited and Exclusive Warranty must be submitted, in writing, to your supplier, within thirty (30) days after Buyer discovers and/or should have discovered the alleged defects. HD Walls shall then be provided a reasonable opportunity to examine the allegedly nonconforming Products and verify any such defect before its use or further processing. FAILURE OF BUYER TO COMPLY WITH THESE NOTICE PROVISIONS SHALL CONSTITUTE A WAIVER BY BUYER OF ALL CLAIMS IN RESPECT THERETO.

National Fire Protection Association
The authority on fire, electrical and building safe!
NFPA®

ASTM INTERNATIONAL

BS 476
Part 6/7 Certified

LIMITED AND EXCLUSIVE WARRANTY

HD WALLS

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THIS WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY HD WALLS WITH RESPECT TO THESE PRODUCTS. ALL OTHER REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, ARE EXPRESSLY DISCLAIMED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTIES CLAIMED TO ARISE FROM TRADE USAGE, CUSTOM OR COURSE OF DEALING. HD Walls shall supply replacment products free of charge if HD Walls determines upon inspection that any Products fail to conform to this warranty. The foregoing constitutes the SOLE AND EXCLUSIVE REMEDY for breach of this warranty.

IN NO EVENT WILL HD WALLS OR IT'S DISTRIBUTORS BE LIABLE FOR INDIRECT, CONSEQUENTIAL, SPECIAL OR EXEMPLARY DAMAGES, WHETHER BASED IN CONTRACT, TORT, WARRANTY, STRICT LIABILITY OR OTHERWISE. THIS LIMITED AND EXCLUSIVE WARRANTY SHALL SUPERSEDE AND CONTROL ANY OTHER REPRESENTATIONS AND/OR WARRANTIES WITH RESPECT TO THIS PRODUCT. IN NO EVENT SHALL HD WALLS' LIABILITY EXCEED THE PURCHASE PRICE AND/OR INVOICED VALUE OF THE GOODS.

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SUBMITTING WALLCOVERING
FOR RECYCLING CHECKLIST

Materials for the Roysons Recycling Program must be prepared and packaged properly to allow our recycling facility to process the material.

Please follow these guidelines:

Preparation and Inspection of Wallcovering

• Submit only fabric back vinyl or Roysons Terralon™ Eco friendly wallcovering

• Remove all nails, screws, and other debris before shipping

• Send only dry material

• Discard any material with the presence of Mold and mildew

• Include any installation trim, scrap or unused wallcovering
   Packaging and Shipping

• Remove wallcovering from wall and roll full-length strips between 8' – 10' long into each bag. Each bag should way a maximum of 37 pounds.

• Seal with the bag ties we have supplied and affix a shipping label to each bag

• Quantities greater than 1000 yards may require a special shipping container.

• A distributor sales representative will determine how many containers will be needed and we will have them shipped to the job site.

For additional information, please contact HD Walls Reclamation Service at:

HD Walls
40 Vanderhoof Ave.
Rockaway, NJ 07866
973-625-5570
recycle@hdwalls.com
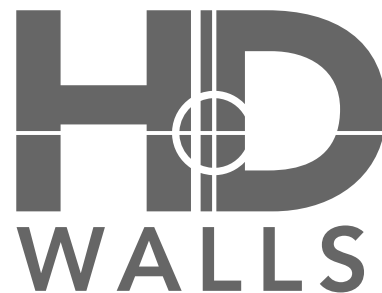
WALLCOVERING RECLAMATION PROGRAM
MATERIAL RETURN AUTHORIZATION FORM

H·D WALLS

Form to be completed by customer and/or distributor, sales representative.

Project Start Date_____

HD Walls Customer Information

Date_____ Distributor_____

Customer_____Representative_____

Address_____

City_____State_____Zip_____Phone_____

Return Material Description

PO number for new material_____Quantity Ordered_____

Project Name_____Job Site Location_____

Company_____Contact_____

Address_____

City_____State_____Zip_____Phone_____

Quantity to be returned_____linear yards_____width_____height_____

Material condition_____

Manufacturer (if known)_____Pattern/color_____

Sample Return Detail

Send an 8x10 inch sample of each type of wallcovering you would like to return*

Number of samples returned_____(one sample is required for each pattern to be returned)
Upon successful analysis, the appropriate number of bags, ties, and labels will be shipped.

Shipping Information for Bags

Company_____Attn_____

Address_____

City_____State_____Zip_____Phone_____

Return completed form by mail, fax or email to:
HD Walls
Attn: Wallcoverings Reclamation Dept.
40 Vanderhoof Ave.
Rockaway, NJ 07866
PH: 973-625-5570 FAX: 973-625-5917
recycle@hdwalls.com

*Your submitted sample will be reviewed for content screening before they can be included in this program to ensure
all material returned meets quality, environmental and safety standards for reclamation and reuse.*

CUSTOMER SUPPLIED
MATERIAL REQUIREMENTS

HD
WALLS

Please review our basic print media requirements before sending specialty print material to HD walls for digital printing.

All roll material to be printed on our UV or solvent systems must meet the following requirements.

Minimum roll size: 10 Yards.

Maximum roll size: 60 in. width x 50 yd (larger by prior approval).

Core size: 3 Inch (no exceptions).

Edge profile: Edge of roll material must be square and even (no telescoping).

Packaging: Packaging should protect media from damage in transport.

• Material should be clean, factory fresh, and received in pristine condition with core fully intact.

• While we can print on most media offered for digital printing, we will test all usable material we receive but we can not guarantee a perfect result. We will discuss our testing results with you and provide an estimate for any special handling that may be required to print your material successfully.

• Samples of sheet material, flooring, and other oversized materials must be approved before we will accept stock for print testing.

B.C.I.
IMAGING

HD WALLS

DIGITAL PRINTING
REQUIREMENTS & PROCEDURES

ESTIMATING AREA TO BE PRINTED

AREA TO BE COVERED

•   Measure area in complete rectangles. See illustration (fig 1) below.

•   Include all doors, windows or cutouts contained within the area to be printed.

BLEEDS*
Bleed defines extra image printed beyond the dimensions of the actual wall to accommodate out-of-square corners and to allow the image to be trimmed into place

•   Add bleeds to all 4 sides of the measurements.

•   Provide a minimum of 2 inches of bleed to each wall.

•   For very wide walls, add one inch of bleed for each additional 10 feet of wall

SEAMS

•   Wallcovering murals are typically printed in 48 or 50-inch vertical strips

•   Typical overlap is with 1 or 2 inches between adjoining panels. Some wall configurations or image content may require customizing seam placement.

•   We will discuss the best way to handle seams for your project.

•   We will use our best judgment to avoid placing seams in apparently critical image area. NOTE: Always let us know of critical image components that should not contain a seam.
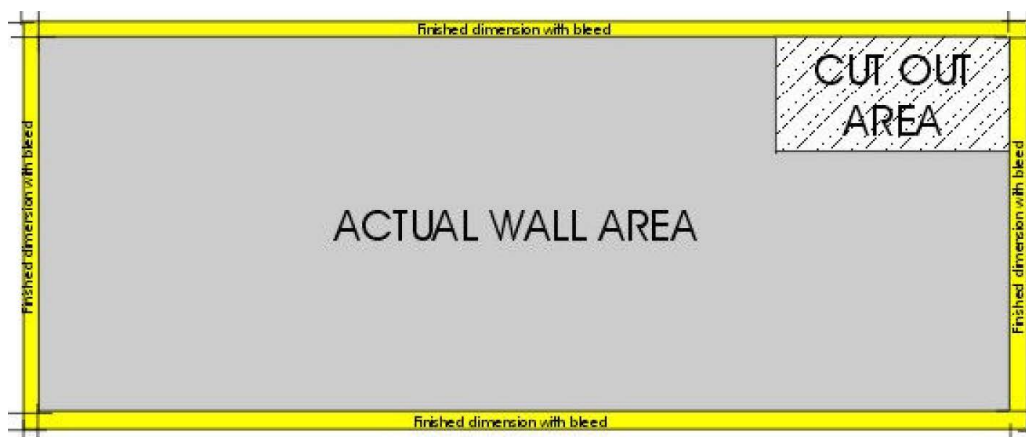
Fig. 1 Illustrating and calculating the area to be covered

B.C.I. IMAGING
www.bciimage.com
866 971-1008

DIGITAL PRINTING REQUIREMENTS & PROCEDURES

HD WALLS

PRICING

Pricing for a specific project will vary according to several factors:

- Size of the job
- Substrate material
- Color matching
- Make ready work
- Delivery time
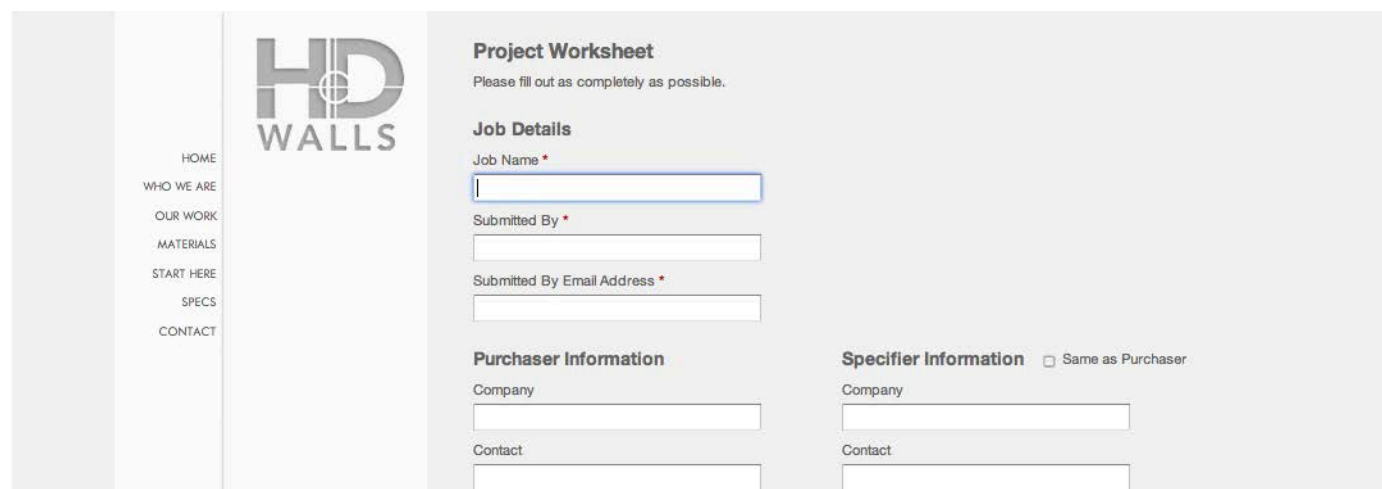- Special handling
- Printing conditions, etc.

REQUESTING A QUOTATION

Go to: hdwalls.com/projectworksheet and submit a project worksheet.

You will need the following information to begin the formal quoting process:

- Final size of walls to be printed
- Substrate to be printed
- Dimensioned drawings or architect's drawings
- Complete contact information for the customer / end-user

We will send all parties a formal quotation detailing the work to be done.

Fig 2: Project Worksheet

DIGITAL PRINTING
REQUIREMENTS & PROCEDURES

BEGINNING WORK

Formal PO: We require a formal purchase order before proceeding with:

- Setup
- Strikeoff
- Final Printing

Work will not begin until we have received a formal PO and payment terms have been met.

PO GUIDELINES

Instruct your client to refer to our quotation number in their PO. HD Walls is responsible for taking orders and billing the client directly. Do not list Innovations as the manufacturer.

Purchase Order Must Contain:

- Client contact name and phone

- Bill-to address

- Ship-to address

- Shipping method

- Special packaging requirements

- Shipper account numbers

- Due date for materials on site

- Desription of digital media provided, file names and number of files included

- List one file per line item. Use the exact file name as it appears on the file-bearing media.

- Release form authorizing HD walls to reproduce the images listed

- Color matching instructions, color swatches, and other color reference

DIGITAL PRINTING
REQUIREMENTS & PROCEDURES

FILES

Customer provided files must meet or exceed the following conditions:
File type: Adobe Illustrator, Adobe Indesign, Photoshop (PSD, TIFF)
Note: JPG and some other compressed file formats are accepted only with prior approval.
Photoshop files (raster) and Photoshop files placed in Indesign or Illustrator must have a resolution of atleast 72 PPI at the largest size to be printed. Adobe Indesign and Adobe Illustrator files must be supplied with all placed graphics and photos. Fonts must be included or converted to outlines in the original art.

SUBMITTING FILES FOR PRINTING

Please upload files at: hdwalls.com/upload

If files are larger than 2GB, please contact us and we will make alternate arrangements.

All critical colors must be noted and specified as Pantone or other universal color code. We can match some paint swatches from our swatch library. We prefer that you include physical swatches whenever possible for precision of color match.

We will match all colors specified as part of our pre-press and strike off process.

PRINT READY FILES: Print-ready means your file can be sent directly to the printer as it has been provided. The image can be reproduced with no additional artwork, editing, or sizing (other than simple scaling) required by our art department.
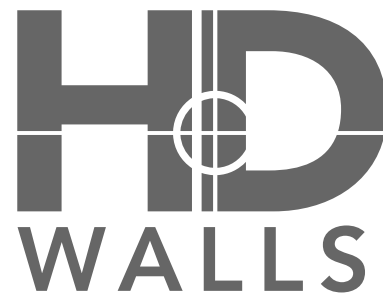*There is no set up fees for printer ready files.

STRIKE-OFF PRINT

Please submit strike-off approvals at: hdwalls.com/approvals

We require a formal approval of a strike off image before final production. Strike off prints usually ship within 5 business days of receipt of the complete PO. We keep a retain image on site so a hard copy sign-off is not required. The client's approval submission at hdwalls.com/approvals begins the final production phase.

Strike off prints bill at $90.00. Upon the client's approval for printing, the cost of their strike off print is credited back to their order.

Edits at production time: Artwork and edits to existing art or colors are billable at $90.00 per hour. We will estimate time required for changes and request actions to be taken should we discoverthat time required in process exceed that limit. Edits will delay production of finished product. Edits require approval of an additional strike off.

DIGITAL PRINTING
REQUIREMENTS & PROCEDURES

HD WALLS

IMAGE RESOURCES

DIGITALSTOCK.HDWALLS.COM

Digital Stock is an HD Walls exclusive collection of stock images and design, fully customizable to suit your needs. All images are large scale and created specifically for wallcoverings. Digital Stock images are offered with no licensing fees or additional charges as long as printing is completed by HD Walls. Browse our collection at digitalstock.hdwalls.com.

ADDITIONAL RESOURCES FOR PHOTOGRAPHS AND IMAGES

A simple Internet search will yield dozens of image stock houses that can sell or license images to be used in mural and other wall-art production. Prices and selection are as varied as resources. We suggest you sort through the available offerings and bookmark the best candidates for your needs.

* Licenses to use images cannot be transferred. For this reason, HD Walls do not acquire images or image reproduction licenses. Your client must license the image from the stock house then authorize us to reproduce the file associated with their license. Depending on the terms of the license, your client may have additional reproduction rights for that image.

** A signed copy of our release (attached) must accompany all images submitted for reproduction. The release form may be downloaded here: http://www.hdwalls.com/documents/release

INTERNET SOURCES FOR IMAGES AND GRAPHICS

Following is a short list of image stock houses used by our clients:

shutterstock.com	*Photography and illustrations*
www.gettyimages.com	*Photography and illustrations*
www.istockphoto.com	*Photography and illustrations*
www.veer.com	*Photography and illustrations*
www.corbis.com	*Photography and illustrations*
www.artvisions.com	*Fine Art*
www.wideimages.com	*Panoramic Photography*
www.panoramicimages.com	*Panoramic Photography*

HD WALLS RECYCLES
WALLCOVERING PRODUCTS
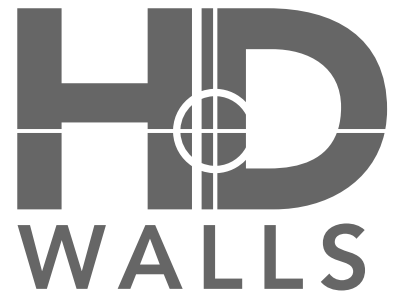
HD WALLS

"Our responsibility towards fostering sustainability is an integral part of our business strategy".

Environmental management at HD Walls includes recycling. HD Walls is always looking for ways to improve our products and this is an opportunity for customer participation in a post consumer recycling program. Let us work together to establish recycled product solutions to reduce landfill disposal. All HD Walls products can be recycled.

The goal of our recycling program is to provide recycled content to assist in gaining

credit within green building certification programs while simultaneously insuring that the introduction of recycled content does not introduce other issues of concern to the product. By carefully controlling and evaluating the selected recycled content materials, the quality can be maintained throughout the entire life cycle of the wallcovering product.

The environmental aspects that recycling initiatives promote includes:
• Landfill avoidance of waste and post consumer wallcovering
• Compatibility in material formulations
• Color control
• Chemicals of concern management
• Create LEED credit eligible materials and diversion of construction waste opportunity

HD Walls has an established a pre-consumer recycling program. This includes materials produced and reprocessed from available manufacturing materials. Recycled content can include pre- and post-consumer materials. For post consumer materials, materials can be returned to HD Walls for re-processing into new wallcovering.

Limitations.
Contamination is controlled by pre-approving materials being submitted for recycling. This quality control measure is designed to keep incompatible materials from being incorporated into recycled content products. Quality of the final product is not compromised. Some residual contamination is expected, such as drywall paper and adhesive, and can be screened effectively during the recycled content preparation for re-manufacturing.

Pre-approval for recycling wallcovering.
All manufactured wallcovering will be considered for post-consumer recycling. Replacement of HD Walls wallcovering with new HD Walls product will always be accepted. Pre-approval is requested for recycling competitors' wallcovering products because of formulation differences. Every effort will be made to accept all materials into the recycling program, but only select materials will be converted into new, recycled content wallcovering products. We reserve the right to refuse highly contaminated materials to insure that quality is strictly controlled.
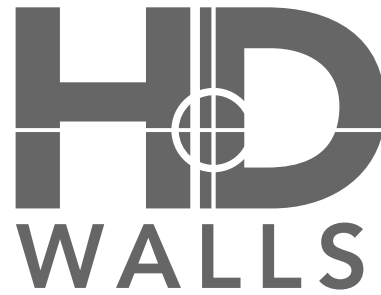
There are two types of recycled material generated from wallcovering products:

• Plastic resin component
• Fiber content from laminates

These materials are separated and included as recycled content for new manufactured products. Recycled content of the new product is measured as a combination of these two components.

Packaging post-consumer product for return.
All post-consumer wallcovering placed into Gaylord containers or plastic bags can be returned for recycling. These materials will be visually inspected and then processed for component separation. Gaylord containers or plastic bags are used to make handling easier at both the installer and plant location.

Return Program.
All materials should be sent to:
HD Walls
40 Vanderhoof Avenue
Rockaway, NJ 07866, USA
TELEPHONE: 973-625-7923
FAX: 973-625-5917

Post-consumer wallcovering materials being replaced with HD Walls product will get credit for the "Return Shipping" expense.

"Be responsive to the needs of our customers and distributors, produce quality products, and operate with the highest level of integrity."

– The HD Walls Philosophy

PRODUCT SPECIFICATIONS

BLING!

HD WALLS

PHYSICAL PROPERTIES

Product Weight: 20 oz. per lineal yd., (13oz. per sq. yd.)
Vinyl Weight: 17 oz. per lineal yd.
Fabric Weight: 3 oz. per lineal yd.
Thickness: 0.015 to 0.030 in.
*depending on texture
Fabric: Poly-Cotton Osnaburg or Polyester Nonwoven
*depending on texture

BREAKING STRENGTHS, LBS. FORCE

Machine Direction-warp:
*Exceeds Type II minimum of 50 lbs.
Cross Machine Direction-fill:
*Exceeds Type II minimum of 55 lbs.

TEARING STRENGTH, SCALE

Machine Direction-warp:
*Exceeds Type II minimum of 25lbs.
Cross Machine Direction-fill:
*Exceeds Type II minimum of 25 lbs.

COLD CRACK RESISTANCE @ 20°F

No change

HEAT AGING (7 DAYS @ 158°F)

*Does not become stiff, brittle, discolored, or show loss of grain

SPECIFICATIONS / TESTING / CERTIFICATION

Federal Specification:
*CCC-408-D,C,B,A   *Type II   *Class A
CFFA Specification:
*CFFA-W-101-D   *Type II   *Class A

FIRE TESTING

ASTM-E84 Tunnel Test   Class A
NFPA286 Corner Burn Test   Class A
NFPA265 Corner Burn Test   Class A
BS476 Part 6&7
*Meets or exceeds requirements for flame spread,
smoke developments and flashover.

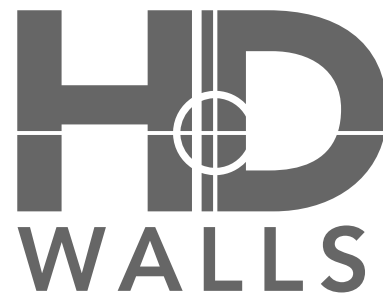### MOLD/MILDEW/BACTERIAL RESISTANCE

ASTM-G21 Specifications:
Passed all requirements of CCCW-408-D

ENVIRONMENT

NYC MEA: Register
*Cadmium and Lead Free Formulation

*Visit www.hdwalls.com/specs for more information

PRODUCT SPECIFICATIONS
DREAMGUARD PROTEX3

HD WALLS

DESCRIPTION
Liquid laminate for vinyl media and non water sensitive inks

CONSTRUCTION
Water based
UV inhibitors to protect against yellowing and cracking

AVAILABILITY
Three finishes: Satin, Matte and Gloss
1 pint sample, 1 gallon jug, 5 gallon bucket, 55 gallon drum

PURPOSE
To protect textured vinyl wallcoverings from scratches, abrasion and stains
To help extend the original appearance of printed wallcoverings
Designed to be applied without the need for laminating machines

APPLICATION
May be applied with paint roller or liquid laminating machinery
Milky white on application, dries clear in 1-2 hours
Use indoors, apply in temperatures between 55-85 degrees
Follow DreamGuard Application Instructions

COVERAGE
800 to 1200 sqft./gal.

ENVIRONMENTAL
Non-hazardous formulation, water based, MSDS available
Soap and water clean-up
Safe to ship, no VOC's
Safe for food contact when dry under FDA Regulations:
      Code of Federal Regulations, Title 21, Food and Drugs
      Part 175, Subpart A, Section 175.105
      Part 175, Subpart A, Section 175.300
      Part 176, Subpart B, Sections 176.170 & 176.180
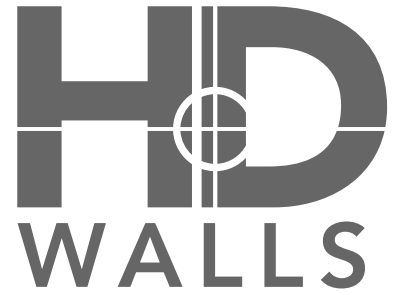
FLAMMABILITY
DreamGuard Protex3 is non-flammable in both a wet and dried state and
will not support flame
Test method used: UL94 HB (horizontal burn test)

COMMENTS
Keep from freezing.

*Visit www.hdwalls.com/specs for more information

B.C.I. IMAGING

PRODUCT SPECIFICATIONS

GLASSTEX

HD WALLS

PHYSICAL PROPERTIES
Film Thickness:
Ice 0.018-0.019 in.
Sandstorm 0.007-0.008 in.
Rice Paper 0.005-0.006 in.

PRINTING SURFACE
Translucent embossed vinyl

SHRINK FACTOR
Minimal to imperceptible shrinkage over 5 years

ADHESIVE PROPERTIES
Acrylic/Solvent based adhesive, permanent. Adhesive has
a moderately aggressive tack that allows repositioning.
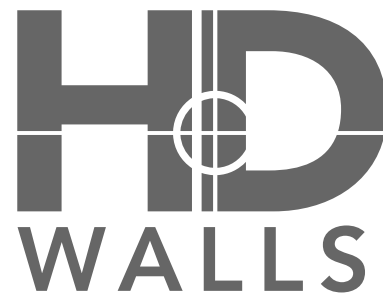Can be removed from glass without leaving residue.
Presently there is minimal to imperceptible shrinkage over 5 years.
For best results follow the GlassTex Install Instructions

CLEANING
May be washed with common, non-abrasive cleaning solutions

*Visit www.hdwalls.com/specs for more information

PRODUCT SPECIFICATIONS
MYLAR

HD WALLS

PHYSICAL PROPERTIES

Product Weight: 21 oz. per lineal yd., (13oz. per sq. yd.)
Vinyl Weight: 16.5 oz. per lineal yd.
Polyester Weight: 1.5 oz. per lineal yd.
Fabric Weight: 3 oz. per lineal yd.
Thickness: 0.015 to 0.030 in.
*depending on texture
Fabric: Poly-Cotton Osnaburg or Polyester Nonwoven
*depending on texture

BREAKING STRENGTHS, LBS. FORCE

Machine Direction-warp:
*Exceeds Type II minimum of 50 lbs.
Cross Machine Direction-fill:
*Exceeds Type II minimum of 55 lbs.

TEARING STRENGTH, SCALE

Machine Direction-warp:
*Exceeds Type II minimum of 25lbs.
Cross Machine Direction-fill:
*Exceeds Type II minimum of 25 lbs.

FIRE TESTING

ASTM-E84 Tunnel Test   Class A
*Meets or exceeds requirements for flame spread,
smoke developments and flashover.
*Cadmium and Lead Free Formulation

*Visit www.hdwalls.com/specs for more information

PRODUCT SPECIFICATIONS

NOLAR

PHYSICAL PROPERTIES
5.3 oz. per square yard = 8 oz. per linear yard

DESCRIPTION
PVC Free Eco-friendly digitally printable wallcovering with smooth surface

CONSTRUCTION
100% Nolar™ (non-woven fibers and wood pulp)

ENVIRONMENTAL
PVC & POA (Olefin) Free, No Plasticizers, No Phthalates, No
Formaldehyde, No Chlorine, No Halogen, No Heavy Metals,
including: Cadmium, Mercury, Lead, or Zinc, and No Ozone
Depleting Chemicals
FSC (Forest Stewardship Council) sourced
Breathable** -very high permeability rating of 66 Perms based on
ASTM E96 dry cup method
Made with 100% water based adhesive systems
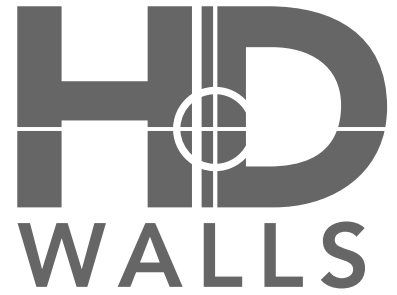No harmful off gassing
Low VOC emitting

AIR QUALITY
Meets California Section IAQ1350 - third party
certified by Berkley Analytical Associates

FLAME AND SMOKE
Class "A" fire rated - tested in accordance with
ASTM-E84 Tunnel Test NFPA-101 (passed)

*Visit www.hdwalls.com/specs for more information

PRODUCT SPECIFICATIONS

TERRALON

HD WALLS

DESCRIPTION
PVC free eco-friendly digitally printable wallcovering
Type II 54", 31% post consumer recycled content

CONSTRUCTION
100% Terralon™ (Propietary Polyester/Natural Fiber Technology)

APPLICATION
Standard commercial wallcovering pastes/primers & techniques

PHYSICALS
Meets or exceeds federal spec CCCW-408D for Type II wallcoverings

ENVIRONMENTAL
PVC & POA (Olefin) free, no plasticizers, no pthalates,no
formaldehyde, no chlorine, no halogen, no heavy metals, including:
Cadmium, Mercury, Lead, or Zinc & no Ozone depleting chemicals
minimum of 31% post-consumer recycled content
Recycleable*
Breathable** very high permeability rating of
66 Perms based on ASTM E96 dry cup method
Made with 100% water based adhesive systems
No harmful off-gassing
Low VOC emitting

AIR QUALITY
Meets California Section IAQ1350 - third party
certified by Berkley Analytical Associates

FLAME AND SMOKE
Class "A" fire rated - tested in accordance with
ASTM-E84 Tunnel Test NFPA-101 (passed)

LEEDS ELIGIBILITY
Terralon™ can contribute towards the earning
of 2 LEEDs credits and, conditionally, 2 others:
MR Credit 4.1 recycled content 20%
MR Credit 4.2 recycled content 30%
Conditionally:
MR Credit 2.1 contribution to project recycling program
MR Credit 2.2 contribution to project recycling program
MR credit 5.1 manufactured local to the new construction
EQ Credit 4.1 mounted with use of low emitting adhesives
**Permeable surface allows transfer of moisture to minimize possibility of mold
& mildew growth. Terralon™ is intended for use in buildings that are properly
designed & maintained to avoid moisture infiltration, condensation, and/or
accumulation at wall cavities and wall surfaces, especially in warm, humid climates.
Dry cup tests performed by VARTEST company.

*Visit www.hdwalls.com/specs for more information

HD WALLS

PRODUCT SPECIFICATIONS

VINYL WALLCOVERINGS

ARNETTE, ARTIST CANVAS, BEADS, CABRETTA CANVAS, LUSTER, MACHE, MATTE, MYSTICAL, PIQUE, PLASTER, PUEBLO, SANDBLAST, SUEDE

PHYSICAL PROPERTIES

Product Weight: 20 oz. per lineal yd., (13oz. per sq. yd.)
Vinyl Weight: 17 oz. per lineal yd.
Fabric Weight: 3 oz. per lineal yd.
Thickness: 0.015 to 0.030 in.
*depending on texture
Fabric: Poly-Cotton Osnaburg or Polyester Nonwoven
*depending on texture

BREAKING STRENGTHS, LBS. FORCE

Machine Direction-warp:
*Exceeds Type II minimum of 50 lbs.
Cross Machine Direction-fill:
*Exceeds Type II minimum of 55 lbs.

TEARING STRENGTH, SCALE

Machine Direction-warp:
*Exceeds Type II minimum of 25lbs.
Cross Machine Direction-fill:
*Exceeds Type II minimum of 25 lbs.
COLD CRACK RESISTANCE @ 20°F
No change

HEAT AGING (7 DAYS @ 158°F)

*Does not become stiff, brittle, discolored, or show loss of grain

SPECIFICATIONS / TESTING / CERTIFICATION

Federal Specification:
*CCC-408-D,C,B,A   *Type II   *Class A
CFFA Specification:
*CFFA-W-101-D   *Type II   *Class A

FIRE TESTING

ASTM-E84 Tunnel Test   Class A
NFPA286 Corner Burn Test   Class A
NFPA265 Corner Burn Test   Class A
BS476 Part 6&7
*Meets or exceeds requirements for flame spread, smoke developments and flashover.

MOLD/MILDEW/BACTERIAL RESISTANCE
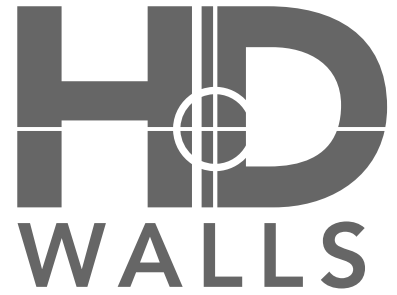
ASTM-G21 Specifications:
Passed all requirements of CCCW-408-D

ENVIRONMENT

NYC MEA: Register
*Cadmium and Lead Free Formulation

*Visit www.hdwalls.com/specs for more information

HD WALLS

PRODUCT SPECIFICATIONS
WALLWRAP

PHYSICAL PROPERTIES
Product Weight:
20.5 oz. per lineal yd. with paper lining
15   oz. per lineal yd. without lining
Film Weight:
14.5 oz. per lineal yd.
Film Thickness:
Monet Texture 0.015 in.
Caviar Texture   0.013 in.
Classic Smooth 0.011 in.

ADHESIVE PROPERTIES
Acrylic Based - Fire Retardant - Non Permanent
Low Tack and Peel - can be repositioned
with no adhesive residue on removal
Adheres to most smooth, painted interior walls
Tested on dry wall, glass, metal, wood paneling, & display board

FIRE TESTING
NFPA-101 Life Safety Code
ASTM-E84
NFPA-701

*Visit www.hdwalls.com/specs for more information