

## Features & Benefits

Digital Solutions™ provides the decorative wall surfacing design capability to transform your visual design concept into reality. Our wall surfaces design studio is available to assist you in creating wall surfaces design solutions for your digital printed design needs. Transform a space into a striking environment that captures attention, creates depth, and defies the imagination.

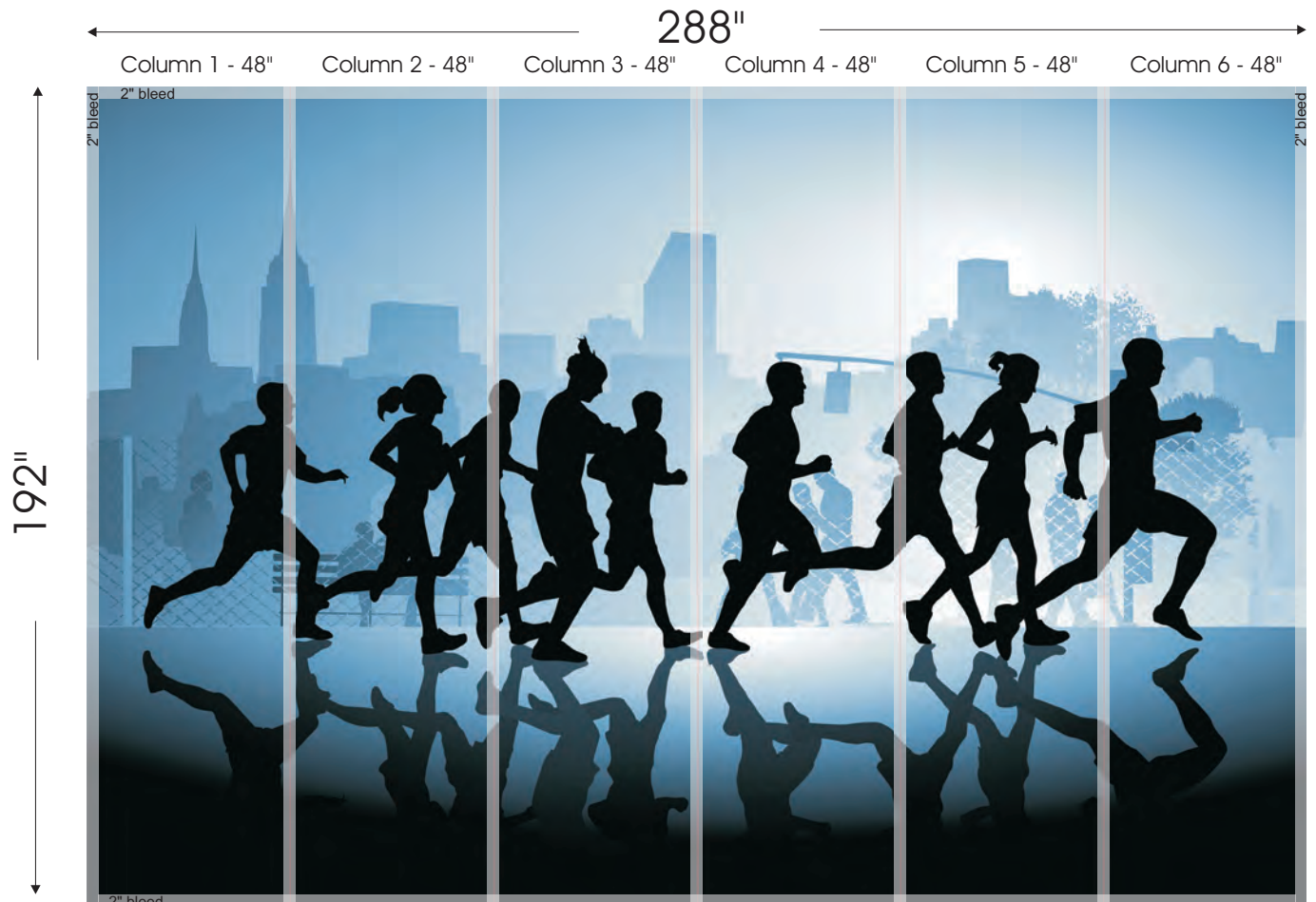
- High resolution digital image printing for endless design applications and environments.
- Applications limited only to the imagination: Healthcare, Hospitality, Office, Corporate, Financial Institutions, Education, Conference Facilities, Public Space, Airports and Transportation, Restaurants, Lounges and Food Services, Theaters and Auditoriums, Retail/Store Planning, Retail Showrooms, Logos, Wayfinding.
- Create a unique one of a kind design statement: image, graphic, mural, artwork, logo, brand identity.
- Limitless dramatic scale, size, design repeat, with an infinite number of colors.
- Digital printed material can be provided in up to 40 yard lengths on a Type II Vinyl/ 20 oz. material or our eco-tex® PVC FREE Alternative material.
- Unlimited width of design, accomplished by printing matching panels, with a mural layout map provided for the installation.
- Interpret your artwork or print ready digital image design files.
- Accessibility to source and obtain stock visual images from a variety of art sources.
- Choice of wall surfacing substrates from Type II Vinyl to eco-tex PVC FREE Alternative materials.
- Variety of surface textures and finishes, including a matte finish and a variety of textural embossings.
- Performance characteristics include options for abrasion resistant and stain resistant top coat finishes.
- Micro-Venting option for breathable material requirements.
- Unique ability to print on a variety of self adhesive specialty glass film materials that can be applied to glass to create a privacy environment.
- Digital design images produced in as little as 100 square feet. That's just one 10 foot by 10 foot wall.

- Digital printed wallcovering is designed and sold by the square foot.
- 100 square foot minimum (approximately 10' x 10' wall coverage).
- The design can be any size or repeat and unlimited number of colors, except metallics.
- The substrate media could be a variety of textured vinyl surfaces or our eco-tex® PVC FREE Alternative materials or an image can be printed on many of our Arc-Com Wall Surfaces designs.
- A protective topcoat is provided as a standard finish on Digital Solutions™ digital wallcoverings and can either be applied during the production or it can be easily roller applied after installation at the job site by the installer.
- An unusual option is the ability to print on a variety of self adhesive specialty film materials that can be applied to glass to create a privacy surface on glass doors, partitions, windows or glass walls.

## **PRINT READY FILE REQUIREMENTS**

- Art file formats submitted for strike off and production should be high resolution print ready digital files and it is preferred as an uncompressed TIFF file for digital printing with 100 pixels per inch at full image magnification. Vector and Illustrator files are acceptable. It should be RGB rather than CMYK at 8 bit and prefer the format to be Adobe RGB 98 working space. Low resolution JPEG files will not provide the printing fidelity required and are therefore not acceptable.
- If the file is high resolution print ready, there would be no charge for design fee.
- If the file is not print ready, there may be a small graphics design fee for file preparation, editing or to modify to put into repeat if necessary, etc. If you have a design idea, we can discuss further with the designer to determine the requirements.
- Initial strike off may be a paper cad for approval, or it may go straight to vinyl base depending on the design, etc.
- A production strikeoff on the specified material is always provided for design and color signoff approval prior to production.
- Time frame is approximately 5-7 working days for a strike off and approximately 5-7 working days for production from approval of design sign off, credit and deposit.

## Digital Mural Map Runners Mural



A 2 inch overlap is printed at all seams.  
Each adjacent panel is printed in the opposite direction to manage shading.  
Image is printed with 2" bleed on each edge

Each Arc-Com Digital Solutions™ mural is custom manufactured to exacting specifications. Each mural is provided and shipped with a mural map with each order, sent with the material to the installer at the job site. Each mural map outlines how the digital art image has been laid out and printed on each panel. Each panel or column is listed with the panel/column number, the total width and height of the mural, the width of each panel and the visual image printed on each panel. Each panel is printed with a 2 inch overlap at all seams and a 2 inch bleed on each edge. Each adjacent panel is printed in the opposite direction in the manufacturing to manage panel to panel shading.

Panel description and column number is clearly printed at the bottom of each panel. Register marks are printed outside the live area. These marks indicate the edge of the live panel and the overlap to the adjacent panel. Use these marks to assist in matching panels before cutting and trimming seams. The first and last columns (right and left hand side panels) do not have overlap on the outside edge.

The visual shown above is an example of the mural map for that would be provided containing all the pertinent information. For best installation results, we recommend table trimming and butt seam installation.

## Material Specifications

### DESCRIPTION

Vinyl fabric backed or non-woven backed digitally printed wallcovering

### PHYSICAL PROPERTIES

Product Weight: 20 oz. per lineal yd., (13 oz. 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 I minimum of 50 lbs.

Cross Machine Direction-fill:

Exceeds Type I minimum of 55 lbs.

### TEARING STRENGTH, SCALE

Machine Direction-warp:

Exceeds Type I minimum of 25 lbs.

Cross Machine Direction-fill:

Exceeds Type I 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,8,A      Type II    Class A

WA Specification:

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

## Material Specifications eco-tex® PVC FREE Alternative

### DESCRIPTION

PVC free eco-friendly digitally printable wallcovering. Type II 54", 31% Post-Consumer Recycled Content.

### CONSTRUCTION

100% Polyester / Natural Fiber

### APPLICATION

Use of permeable commercial wallcovering pastes / primers & techniques

### PHYSICALS

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

### PERMEABILITY\*

- Breathable very high permeability rating of 66 Perms based on ASTM E96 dry cup method

### ENVIRONMENTAL

- PVC & PDA (Olefin) free, contains no plasticizers, no phthalates, 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
- Recyclable\*\*
- 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

eco-tex® PVC FREE Alternative 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. eco-tex PVC FREE Alternative 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, yielded a permeability rating of 66. Topcoat finish is not recommended nor the use of clay based or non permeable adhesives and primers which may diminish eco-tex permeability.

\*\*Recyclable with Arc-Com reclamation program.

## Material Specifications

### CLEAR / FROSTED SPECIALTY FILM FOR APPLICATION TO GLASS

#### PHYSICAL PROPERTIES

Film Thickness:

**ICE** 0.018-0.019 in. (Clear / Textured)

**SANDSTORM** 0.007-0.008 in. (Frosted / Matte)

**RICE PAPER** 0.005-0.006 in. (Frosted / Textured)

#### 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 Clear / Frosted specialty film Instructions and use the application wetting solution as recommended.

#### CLEANING

May be washed with common, non-abrasive cleaning solutions

## METALLIC BEADS

#### PHYSICAL PROPERTIES

Product Weight: 20 oz. per lineal yd., (13 oz. 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 Woven

#### 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 25 lbs.

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

WA Specification:

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

## Architect's Specifications

Fabric Backed Vinyl Wallcoverings

### 1.0 GENERAL

#### 1.1 SUMMARY

Contractor shall furnish, install and finish digitally printed 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 as printed on the Digital Solutions™ hanging instructions.

#### 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. Extra care shall be given to the mural material to ensure no creasing or damage in handling or storage.

#### 1.6 PROJECT CONDITIONS

Environmental conditions must remain constant and over 65° 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 Contractor for the installation process must provide sufficient lighting and access.

## Architect's Specifications

eco-tex® PVC-FREE Alternative Wallcoverings

### 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 as printed on the Digital Solutions hanging instructions.

#### 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. Extra care shall be given to the mural material to ensure no creasing or damage in handling or storage.

#### 1.6 PROJECT CONDITIONS

Environmental conditions must remain constant and over 65° 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 Contractor for the installation process must provide sufficient lighting and access.

# Installation Instructions: High Performance Strippable Digital Wallcovering

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

1. Arc-Com shall provide a complete copy of Digital Solutions™ current Hanging Instructions to the installer pertaining to the installation of the wallcovering provided with material shipped. ALL INSTALLATIONS MUST CONFORM TO ARC-COM DIGITAL SOLUTIONS CURRENT INSTALLATION INSTRUCTIONS AND PRODUCT TECHNICAL INFORMATION IN ORDER FOR MANUFACTURER'S WARRANTY PROTECTIONS TO APPLY. If the wallcovering is installed in a manner other than recommended by Arc-Com Wall Surfaces, it is done at the sole risk of the installer and Arc-Com warranty protections do not apply. Use of a mold and mildew inhibiting primer product and the use of an adhesive containing a mildew inhibitor is recommended, such as the Roman® Mildew Guard™ line of primers and adhesives. Recommended adhesives and primers; Permeable Primer PRO-990, Permeable Clear Adhesive PRO-888, Permeable Clay Adhesive PRO-788.
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 you should contact Arc-Com IMMEDIATELY. ARC-COM WILL NOT BE LIABLE FOR CHARGES OVER THREE PANELS OF MATERIAL. Arc-Com 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 sales representative or customer service 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. Arc-Com 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 white-pigmented, mold inhibiting wallcovering primer to insure uniform color of the wall. For perforated murals and perforated wallcovering a high quality permeable primer should be used along with the matching permeable adhesive. A clay based, non-permeable adhesive should not be used for perforated materials as it may reduce the permeability of the material.
- For new drywall construction, a coat of wallcovering primer should be applied to the surface before application of wallcovering. Use a pigmented primer that dries to a solid color to conceal drywall joints, insuring the wall is a uniform color.
- Use only a 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 65° F is maintained in both areas of installation and storage for at least 48 hours prior to installation.



## **ADHESIVE APPLICATION**

Hang wallcovering with a premium quality heavy-duty clear pre-mixed adhesive containing mold and mildew inhibitors. Use of a mildew inhibitor in the primer and adhesive is recommended as above instructions. For perforated wallcovering a high quality permeable clear adhesive, such as Roman® PRO-888, should be used with the permeable primer, PRO-990. Do not dilute adhesive. Brush or roll 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.

## **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.
- FOR BEST INSTALLATION RESULTS, WE RECOMMEND TABLE TRIMMING AND BUTT SEAM INSTALLATION RATHER THAN DOUBLE-CUTTING.

## **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 has been printed in a manner that every other panel is rotated 180° when printed to minimize the side-to-side color shift that may occur with each panel.
- Determine whether the pattern match is random, straight across, or drop match as detailed on the mural map enclosed with the mural material. 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. Lap each end toward the middle, gently doubling both 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 backing, 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, REFER TO THE ENCLOSED MURAL MAP OR CONTACT ARC-COM. BE SURE FIRST PANEL OF WALLCOVERING IS SQUARE ON WALL BY PLUMBING THE WALL AND USING A LEVEL.
- Avoid burnishing the face of the material. Use a soft wallcovering brush or a plastic smoother to smooth the wallcovering onto the wall. For optimal durability all Arc-Com Digital Solutions™ is manufactured with a standard, high performance topcoat finish to help protect the surface of the wallcovering pattern from stain and abrasion. If the intent is to perforate the vinyl we topcoat 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 installing to avoid getting adhesive on the wallcovering. FOR BEST INSTALLATION RESULTS, WE RECOMMEND TABLE TRIMMING AND BUTT SEAM INSTALLATION RATHER THAN DOUBLE-CUTTING. 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 color match, pattern match, etc. should be immediately communicated to Arc-Com 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**

Arc-Com warrants that for a period of five years from the sale of its Digital Solutions™ 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.

Arc-Com Digital Solutions 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 Arc-Com's control; (h) wallcovering that has been altered by anyone other than Arc-Com; 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 ARC-COM 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. Arc-Com shall supply replacement products free of charge if Arc-Com 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 ARC-COM 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 ARC-COM LIABILITY EXCEED THE PURCHASE PRICE AND/OR INVOICED VALUE OF THE GOODS.

All claims under Arc-Com's Limited and Exclusive Warranty must be submitted, in writing within thirty (30) days after Buyer discovers and/or should have discovered the alleged defects. Arc-Com 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.



THE WALLCOVERING IS A DIGITAL SOLUTIONS™ CUSTOM WALL MURAL

REFER TO MURAL MAP PROVIDED WITH MATERIAL FOR MURAL DETAILS  
REFER TO ATTACHED INSTALLATION INSTRUCTIONS FOR MURAL  
INSTALLATION TECHNIQUES AND RECOMMENDATIONS

The graphics for this wall are to be assembled in several vertical panels of columns. Please refer to the provided MURAL MAP for a description of each panel, its location, width and height. All the panels for this wall are to be found in the roll. NOTE: When you unwind the roll you will observe that adjoining panels are printed in reverse direction. This is a standard printing method to help control shading when the panels are seamed together.

Panel description and column number is clearly printed at the bottom of each panel. Register marks are printed outside the live area. These marks indicate the edge of the live panel and the overlap to the adjacent panel. Use these marks to assist in matching panels before cutting and trimming seams. The first and last columns (right and left hand side panels) do not have overlap on the outside edge.

FOR BEST INSTALLATION RESULTS, WE RECOMMEND TABLE TRIMMING AND BUTT SEAM INSTALLATION RATHER THAN DOUBLE-CUTTING.

We recommend to cut each panel or column to length and configure the complete graphic image on the floor prior to pasting and installation. Refer to the MURAL MAP to verify that you have all the necessary pieces.

If you believe you are missing something, stop immediately and contact Arc-Com customer service at: 800.223.5466 or [inquires@arc-com.com](mailto:inquires@arc-com.com)

## Installation Instructions: eco-tex® PVC FREE Alternative Digital Wallcovering

PLEASE NOTE: EXTRA CARE MUST BE TAKEN DURING INSTALLATION AS ECO-TEX® PVC FREE ALTERNATIVE IS MORE SUSCEPTIBLE TO CREASING THAN TRADITIONAL VINYL WALLCOVERING PRODUCTS.

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

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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 you should contact Arc-Com immediately. ARC-COM WILL NOT BE LIABLE FOR CHARGES OVER THREE PANELS OF MATERIAL. Arc-Com 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 sales representative or Arc-Com 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. Arc-Com Digital Solutions 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.
- Use only a 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 65° F is maintained in both areas of installation and storage for at least 48 hours prior to installation.

### **ADHESIVE**

eco-tex PVC FREE Alternative is a highly permeable wallcovering with a perm rating of 66. Material should be installed with a heavy duty, clear permeable adhesive and permeable primer with mold and mildew inhibitors. Roman Decorating products offer permeable adhesives and primers with advanced mold and mildew protection. such as the Roman Mildew Guard line of primers and adhesives. Recommended adhesives and primers; Permeable Primer PRO-990, Permeable Clear Adhesive PRO-888. These adhesives are applicable for perforated murals as well. Please check with this manufacturer for their latest products.

## **ADHESIVE APPLICATION**

Do not dilute adhesive. Brush or roll an even coat of paste over entire back of wallcovering. Pay particular attention to run over edges so they are sure to be pasted. Gently double material together and “book” material for ten minutes. DO NOT FOLD OR CREASE BOOKED MATERIAL AS ECO-TEX® PVC FREE ALTERNATIVE IS MORE SUSCEPTIBLE TO CREASING THAN TRADITIONAL VINYL WALLCOVERING PRODUCTS.

## **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.
- FOR BEST INSTALLATION RESULTS, WE RECOMMEND TABLE TRIMMING AND BUTT SEAM INSTALLATION RATHER THAN DOUBLE-CUTTING.

## **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. If the application is a mural, it has been printed in a manner that every other panel is rotated 180° when printed to minimize the side-to-side color shift that may occur with each panel.
- 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. Lap each end toward the middle gently doubling both 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 REFER TO PROVIDED MURAL MAP OR CONTACT ARC-COM. BE SURE FIRST PANEL 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 smoother to smooth the wallcovering onto the wall. DO NOT FOLD OR CREASE BOOKED MATERIAL AS ECO-TEX® PVC FREE ALTERNATIVE IS MORE SUSCEPTIBLE TO CREASING THAN TRADITIONAL VINYL WALLCOVERING PRODUCTS.
- 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.
- Place the second strip to the edge of the first strip. Tape seams before overlapping and installing to avoid getting adhesive on the wallcovering. FOR BEST INSTALLATION RESULTS, WE RECOMMEND TABLE TRIMMING AND BUTT SEAM INSTALLATION RATHER THAN DOUBLE-CUTTING. If paste does get on the surface, 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 material 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 color match, pattern match, etc. should be immediately communicated to Arc-Com 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**

Arc-Com warrants that for a period of five years from the sale of its Digital Solutions™ 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. Arc-Com Digital Solutions 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 Arc-Com's control; (h) wallcovering that has been altered by anyone other than Arc-Com; 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 ARC-COM 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. Arc-Com shall supply replacement products free of charge if Arc-Com 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 ARC-COM 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 ARC-COM LIABILITY EXCEED THE PURCHASE PRICE AND/OR INVOICED VALUE OF THE GOODS.

All claims under Arc-Com's Limited and Exclusive Warranty must be submitted, in writing within thirty (30) days after Buyer discovers and/or should have discovered the alleged defects. Arc-Com 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.



THE WALLCOVERING IS A DIGITAL SOLUTIONS™ CUSTOM WALL MURAL

REFER TO MURAL MAP PROVIDED WITH MATERIAL FOR MURAL DETAILS  
REFER TO ATTACHED INSTALLATION INSTRUCTIONS FOR MURAL  
INSTALLATION TECHNIQUES AND RECOMMENDATIONS

The graphics for this wall are to be assembled in several vertical panels of columns. Please refer to the provided MURAL MAP for a description of each panel, its location, width and height. All the panels for this wall are to be found in the roll. NOTE: When you unwind the roll you will observe that adjoining panels are printed in reverse direction. This is a standard printing method to help control shading when the panels are seamed together.

Panel description and column number is clearly printed at the bottom of each panel. Register marks are printed outside the live area. These marks indicate the edge of the live panel and the overlap to the adjacent panel. Use these marks to assist in matching panels before cutting and trimming seams. The first and last columns (right and left hand side panels) do not have overlap on the outside edge.

FOR BEST INSTALLATION RESULTS, WE RECOMMEND TABLE TRIMMING AND BUTT SEAM INSTALLATION RATHER THAN DOUBLE-CUTTING.

We recommend to cut each panel or column to length and configure the complete graphic image on the floor prior to pasting and installation. Refer to the MURAL MAP to verify that you have all the necessary pieces.

If you believe you are missing something, stop immediately and contact Arc-Com customer service at: 800.223.5466 or [inquires@arc-com.com](mailto:inquires@arc-com.com)

## Clear / Frosted Specialty Film Installation Procedure For Application To Glass

(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 application 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 32 oz. spray bottle filled with water. A pre made wetting agent for this application purpose can also be used. such as Gila® application solution made by Solutia®
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 these films, Industry standards allow for seaming. Standard Installation for seaming is a butt-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**

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.



## Cleaning Arc-Com WallSurfaces Vinyl Based Digital Solutions™

### **CARE & MAINTENANCE**

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.

### **SURFACE PROTECTION**

Always protect Digital Solutions™ images with a high quality topcoat to minimize damage by dirt, scratches and abrasion. This is especially important in high traffic areas where people and objects will have frequent contact with the surface.

All Arc-Com Digital Solutions vinyl based materials are produced with a protective, high quality stain and abrasion resistant topcoat as a standard. Arc-Com protective finish is a non-hazardous, water-based protective topcoat that is designed specifically to protect your valuable custom Digital Solutions wallcovering from scratches, abrasions, smudges and many types of food stains.

## Submitting Digital Wallcovering For Recycling Checklist

Materials for the Arc-Com Digital Solutions™ Reclamation Program must be prepared and packaged properly to allow our recycling facility to process the material.

We will accept the return of previously printed and supplied Arc-Com Digital Solutions Wallcoverings for new orders placed for Digital Wallcoverings

### **PLEASE FOLLOW THESE GUIDELINES:**

#### **PREPARATION AND INSPECTION OF WALLCOVERING**

- Contact Arc-Com customer service to arrange for recycling bags to be supplied.
- Submit only Arc-Com Digital Solutions fabric back vinyl or eco-tex® PVC FREE Alternative Digital Solutions wallcoverings for recycling
- 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 supplied for recycling. Each bag should weigh 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.
- An Arc-Com sales representative or customer service representative will determine how many containers will be needed and we will have them shipped to the job site.

For additional information and to arrange for recycling, please contact Arc-Com Digital Solutions Customer Service at:

Arc-Com Digital Solutions  
33 Ramland Rd. South  
Orangeburg, NY 10962  
t. 845-365-1100  
f. 845-365-1285  
inquiries@arc-com.com

# Digital Wallcovering Reclamation Program Material Return Authorization Form



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

Project Start Date \_\_\_\_\_

## ARC-COM DIGITAL SOLUTIONS™ CUSTOMER INFORMATION

Date \_\_\_\_\_

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 of Arc-Com Digital Solutions to be returned for recycling \_\_\_\_\_

Linear yards width height \_\_\_\_\_ Material condition \_\_\_\_\_

Mural Image (if known) \_\_\_\_\_ Pattern / Color \_\_\_\_\_

## SAMPLE RETURN DETAIL

Send an 8 x 10 inch sample of each type of Arc-Com Digital Solutions wallcoverings you would like to return for recycling\*

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:

Arc-Com Digital Solutions  
33 Ramland Rd. South  
Orangeburg, NY 10962  
t. 845-365-1100  
f. 845-365-1285  
inquiries@arc-com.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.