

Updated 02/08/2025

LYNNEL's standard wallcovering is a KoroGraphics digital wallcovering product. KoroGraphics is a Type II, certified commercial grade wallcovering that was specifically developed for today's wide-format digital printers and ink systems. Over fifty years of contract wallcovering experience has been formulated into KoroGraphics Digital Wallcoverings to make high impact printing applications and job site installations a simply print-ship-install process. KoroGraphics® digital wallcoverings are manufactured by RJF International. As a manufacturer of numerous commercial interior building products RJF International's core brands are well respected and have prominent histories spanning over fifty years. They are well known throughout architectural and contract interior design firms the world over for color, design, texture and quality. The same commitment to life safety, fire safety, stringent code compliance, mildew protection and technical innovation has been engineered into all KoroGraphics® digital wallcoverings.

Unlike other "off the shelf" converted wallcoverings, KoroGraphics® digital wallcoverings were developed and engineered with guidance and direct technical input from large-scale print houses and prominent world class equipment manufacturers. Their primary objective was to provide substrates that enhance the selected digital image, minimize drywall substrate installation issues and meet and or exceed all local, state and federal building and fire codes. KoroGraphics® digital wallcoverings are manufactured to the same exacting standards and uncompromising specifications as our industry leading Koroseal® and Vixtex® architectural wallcoverings, Korogard® Wall Protection Systems and Walltalkers®. The materials meet or exceed the requirements specified in recognized wallcovering standards such as the Federal Specification CCC-W- 408A, CCFA-101-D, and ASTM-F-793. In addition, these products are formulated and tested under ASTM E-84, NFPA 286 and CAN S102M to comply with all local, state and federal building and fire codes including but not limited to NFPA 101 Life Safety Code and the International Building Code. They are UL tested and listed, contain the Early Warning Effect® heat detection system. They are treated with mildew and staph-resistant additives in the vinyl that provide the wallcovering with resistance to growth of mildew and bacteria and carry a five-year warranty against manufacturing defects. Our materials have established histories of long-term performance and durability in hospitals, hotels, condos, commercial corridors, schools, shopping centers, airports and cruise ships. KoroGraphics® digital wallcoverings are approved and proven for any commercial, residential and the vast majority of health care building environments.

Physical Properties

The surface of Lynnel's Standard Type II Vinyl Wallcovering MATTE option is powder fine sand texture that contributes little, if any, textural enhancement to the desired image. It is KoroGraphics Abaco Beach product and is our most specified Standard Type II wallcovering. (Our SATIN option is KoroGraphics Glassed Out product, and our TEXTURED option is KoroGraphics Nassau Dunes product.)

Thickness: 0.018 to 0.026 in. (varies with texture), or 0.46 to 0.66mm

Fabric: Poly Cotton Osnaburg

Fire & Life Safety, Testing, Heat detection

Early Warning Effect Life Safety and Property Protection

NFPA 101 Life Safety Code

Meet or exceeds requirements for Flame Spread, Smoke Developed and Flashover.

Specs / Testing / Certification

Federal specification: CCC-408-A Type II Class A

CCFA specification: CCFA-W-101-D Type II Class A

Project Conditions

Areas where wallcovering will be installed shall have a constant minimum temperature of no less than 55-60 degrees Fahrenheit for at least seven days prior to and throughout installation period and for seven days thereafter.

Adhesive

The adhesive used must be manufacturer's recommended adhesive and must contain mildew inhibitors.

Primers

If future strippability is desired, a primer must be used. The primer used must be manufacturer's recommended primer.

Surface Preparation

- Wall surfaces shall be free from defects and imperfections that could show through the finished covered surface. Surfaces must be clean, smooth, dry, and structurally sound.
- Sand-finished plaster shall be smoothed, cinder or cement blocks shall be plastered, or otherwise rendered smooth, and old wallcoverings or loose paint should be removed.
- For new drywall construction, manufacturer's recommended primer should be used before application of wallcovering for ease of future removal when redecorating.
- Glossy surfaces shall either be sanded to dull surface, or a coat of manufacturer's recommended primer applied prior to installation of wallcovering.
- Mold and mildew require moisture in order to grow and, therefore, it is important to check the walls with a suitable moisture meter. Moisture content should not exceed 4%. Excessive moisture in wall needs to be corrected prior to the installation of the. If there is any evidence of mildew, it must be removed and the wall surface treated to inhibit further mildew growth.
- All painted surfaces should be evaluated for the possibility of pigment bleed-through. If there is any possibility, a coat of sealer, recommended by the manufacturer, should be applied before application of the wallcovering.
- Do not install vinyl wallcovering over oil-based wood stains as a bleed-through may occur.

Installation

- Wallcovering shall be installed by experienced workers and contractors in strict accordance with the manufacturer's printed instructions using vinyl wallcovering adhesive recommended by the manufacturer (WHEAT PASTE SHALL NOT BE USED). It is absolutely imperative that installer read the manufacturer's instruction sheet before installing the vinyl wallcovering. Permanent building light shall be available for installation.
- Installer, before cutting, shall examine pattern and color and determine that they are the correct pattern and color as specified.
- Apply an even coat of adhesive to fabric side of material using a stiff bristle brush, roller or pasting machine in accordance with label recommendations. The wallcovering should be applied to the wall as soon as it has become tacky. Smooth surface, working out air bubbles as you go.
- As each strip is installed, immediately remove excess adhesive from wallcovering surface and seams using natural sponge and a soft bristle brush frequently rinsed in clean warm water. Dry with clean cotton toweling, professional vinyl cleaner/wallpaper remover should be used where adhesive products have been specifically developed for use in these applications.
- Installer shall install each roll in sequence starting with largest roll number and each strip in same sequence as cut from roll. If pattern is not random, examine for repeat design. Some patterns should be lined up, matched or reversed for best results. If necessary, trim selvage deep enough to assure color uniformity.
- After application of three strips, an inspection should be made and if there are any variations in color or pattern which are felt to be excessive, the wallcovering distributor or manufacturer's representative should be notified for his inspection before any further wallcovering is installed.
- Always bring material six (6) inches around inside and outside corners being sure to fit into corners to avoid bridging or spanning.
- The wallcovering should be smoothed to the hanging surface with a stiff bristled sweep brush or a flexible broad-knife to eliminate air bubbles.
- Remove excess adhesive along finished seam immediately after each wallcovering strip is applied. Use of clean, warm water, a natural sponge and clean towels are recommended for this use. It is very important to change water often to maintain cleanliness.

With the exception of LYNNEL Art to Form's standard warranty on the material itself, and while the manufacturer provides the above instructions pertaining to Project Conditions, Adhesive, Primers, Surface Preparation, and Installation, LYNNEL is not to any degree responsible for the appearance and performance of any wallcoverings not installed by LYNNEL.

Clean-up Completion

Upon completion of work, remove surplus materials, rubbish and debris, resulting from the wallcovering installation. Leave areas in neat, clean and orderly condition.

OVERVIEW

There are only two major commercial grade wallcovering adhesive manufacturers remaining in the United States: Gardner-Gibson & Roman Decorative Products. They have consolidated market positions by developing numerous private label brands for most major retail paint store chains and in some cases mass merchandising builder supply outlets. Their branded and private label products work quite well and can be used for a successful installation if these general guidelines are followed.

Always use a recommended compatible primer with the selected brand of adhesive (if KoroGraphics product is desired to be removable). New sheet rock, previously painted sheetrock (latex or oil-based paint?), sheetrock with wallcovering previously installed and subsequently removed (adhesive residue remaining), sheetrock in high humidity environments will require slightly different surface preparations and/or formulations depending on local jobsite conditions. There are primers for unique installations that can be discussed on a case-by-case basis.

GENERAL ADHESIVE GUIDELINES

The best general guidelines for a suitable wallcovering adhesive are as follows:

- LYNNEL and Koroseal recommend the **Koroseal Heavy Duty A-848-B Adhesive**, or equivalent commercial grade wallcovering paste. Primer is not required for our standard Type II Class A Vinyl Wallcovering installation projects, unless future removal and/or strippability is desired.
- Premixed commercial grade available in one and five gallon buckets.
- A "clay" premixed is the baseline for commercial wallcovering adhesives. All commercial wallcovering adhesives are water-based. Clay-based adhesives require a little more attention that a "clear cellulose" adhesive when they are dropped smeared or spilled on surfaces other than the back of the wallcovering. A real sea sponge is recommended for cleaning/removing clay-based adhesive residue. A cheap sponge will spread the adhesive over a larger area and come back to haunt you when it dries. Rinse with clean water. Change water frequently.
- Some installers prefer clay-based products because they can readily see the amount of adhesive that's been applied to the wallcovering or the wall if "dry hanging". There also may be some additional "open time" (the amount of time available to install the material before it dries out) depending on the local temperature and humidity.
- A "clear" (cellulose/clay) based adhesive will minimize clean-up issues. It dries to a consistency similar to oatmeal residue and will flake off easily. Be careful around toxic finished (silk, woods, etc...) regardless of what type of adhesive is used. One inch "blue" painters tape is great for a quick barrier between the finishes, over ceiling grids, moldings, etc...
- A "strippable" commercial grade adhesive will facilitate future removal of material when your client is ready to change their image/message. If you plan on going back for a future application or work with the same client repeatedly in multiple locations then seriously consider a strippable adhesive and suitable primer. Your client, installer and the walls will appreciate the foresight.

GENERAL PRODUCT RECOMMENDATIONS (MORE AVAILABLE):

Note: *Primer is not required for our standard Type II Class A Vinyl Wallcovering installation projects, unless future removal and/or strippability is desired.*

1) Gardner-Gibson

- a) Primer: Dynamite® 235 / HD acrylic primer sizing: 350-400 sq. ft. per gallon.
- b) Primer: 221 clear wall prep.
- c) Primer: 222whitetintedwall prep.
- d) Adhesive: Dynamite® 780HD clear strippable: 275-300 sq. ft. per gallon.
- e) Adhesive: Dynamite® 234 premium HD clear/ strippable.
- f) Adhesive: Dynamite® 433 clay based strippable.
- g) Adhesive: Dynamite® 111 clay based not strippable. Last resort.

2) Roman Decorating Products, Professional® Series:

- a) Primer: Pro 935 (R -35®): 400-450 sq. ft. per gallon (might be over kill for some)
- b) Primer: Pro 909 vinyl prep.
- d) Pro Ultra® Prime977: great for new sheetrock applications.
- e) Adhesive: Pro 870HD clear strippable: 275-300 sq. ft. per gallon.
- f) Adhesive: Pro 838HD clear.
- g) Adhesive: Pro 774 clay strippable.
- g) Adhesive: Pro 732 clay. (last resort).

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- 3) Roman Decorating Products: (high humidity environments)
 - a) Primer: Pro 988 (for mildew prone environments) 400-450 sq. ft per gallon.
 - b) Adhesive: Pro 888 Clear. (for mildew prone areas) :275-300 sq. ft. per gallon.
- 4) Benjamin- Moore:
 - a) Primer: Universal Wall Grip® 203: 400 sq. ft. per gallon
- 5) Sherwin-Williams:
 - a) Primer: Prep-Rite® Pro Block®
 - b) Prep-Rite® Bonding
 - c) Prep-Rite® Pre-Wallcovering Primer (depends on condition and type of substrate).
- 6) Zinsser :
 - a) Primer: Gardz®
 - b) Also supply quality mildew protection products.