

# INSTALLATION INSTRUCTIONS

April 2018

This Advanced Wall Protection (AWP) product installs with techniques similar to traditional type II vinyl wallcovering, but is a proprietary construction with key performance advantages. AWP is packed in 15-yard coreless rolls, one per box, and is intended to be seamed with overlap and double-cut technique.



Maintain temperature between 65 F and 80 F and humidity of 50% or less, 72 hours before, during and after installation



Do not crease AWP material



Do not wrap corners (For bull-nose corners, see step 19 under application)



Use plastic, not metal, smoothers



Do not use heat guns



Not recommended for circular columns



Not for use with a pasting machine



## Installation keys

- Prep wall to Level 4 finish
- Prime the prepped wall surfaces at least 72 hours in advance
- Clay-based (non-diluted) wallcovering adhesive strongly recommended
  - See recommendations below
- Pre-paste 24 hours before installation, with noted adhesive
- During installation, use booking time of at least 12 minutes
  - Careful to avoid creasing during booking
- Change cutting blades frequently
- Smooth any surface irregularities that may appear within 24 hours of installation
  - Delay application of moulding or other final restraints for at least 24 hours
- See detailed installation steps below
  - Optimal installation may vary with ambient conditions

## General

- Please read all instructions before proceeding
- Examine the AWP material before proceeding
- Do not leave the material out of the box, to prevent creasing
- For best impact resistance, use with impact-resistant drywall
- Contact distributor for additional details or questions
- *The installer has final responsibility for proper installation and evaluation of jobsite conditions*

## Wall Preparation

All wall surfaces should be structurally sound. Sanded, finished plaster should be smooth. In order to insure good adhesion, old wallcovering and loose paint flakes should be removed. Surface finishes should be at a minimum of Level 4 (per ASTM C 840-04 Specs).

All wall surfaces should be primed with a suitable acrylic primer.

### Recommended Primers:

- Roman ECO 988 low VOC acrylic primer.
- Gardner Gibson Dynamite 221 or 222 acrylic primers.

While other commercial grade acrylic primers may be used, GLOSS or SEMI-GLOSS materials must NOT be used.

After a wall is primed, it must be allowed to dry for 72 hours. If the walls to be installed are already painted, they must still be sanded, then primed with an acrylic primer. If the walls to be installed are painted with an oil-based paint, the walls must be first thoroughly sanded to a rough finish, and then primed with acrylic primer.

Do not hang **AWP** over ballpoint pen writing, wax crayon, wick pen markings, or foreign matter that may be on the wall. These impurities may interfere with installation and/or bleed through the wallcoverings even a year after installation. It is suggested that lead pencils be used for marking **AWP** or walls as the use of a pencil should not produce bleed-through after-effects.

In order to insure maximum smoothness of installation, nail heads, nicks, gouges and other surface imperfections should be sanded smooth and sealed. On new walls, dry wall joints should be taped, bedded and sanded smooth.

**Buildings that have moisture infiltration problems are at risk for mold and mildew growth and any such problems must be corrected prior to the installation of commercial 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.**

**This material is not meant for constant moisture exposure. While incidental splashing is acceptable, constant exposure, such as saunas, shower rooms, etc. can cause moisture entrapment behind the material.**

## ADHESIVE

1. A premium quality, premixed, full strength commercial wallcovering adhesive should be applied to the fabric side of the wallcovering, not the wall. Please note wall pre-pasting requirements at APPLICATION step #10.

Recommended Adhesives:

- Roman:
  - PRO-732 Extra Strength™ Clay
- Gardner Gibson: Dynamite® 433 heavy-duty clay strippable adhesive

2. Do not dilute the paste.

3. Pastes should be mixed until completely and uniformly smooth.

4. The adhesive should be stored at room temperature (70°F).

5. Use of an adhesive with mildew inhibitor is recommended.

## AWP INSTALLATION

1. Store the wallcovering in a clean, dry and protected environment. **Do not install if the temperature of both the AWP and the area to be installed has not been between 65°F and 80°F for at least 72 hours prior the installation, can be maintained during the installation, and at least 72 hours after the installation.**

2. The building should be weather-tight with HVAC settings (including relative humidity) the same as those of an occupied building.

3. Wall surface should be undamaged, smooth, clean, dry, structurally sound, and free of mold, mildew, grease, or stains.

4. Before cutting, be sure the pattern and color are satisfactory as specified.

5. Before hanging, examine pattern for color uniformity and repeat in design. If there is no design repeat (random texture) patterns should normally be reverse hung, specific directions are on the box label. As of 2018, only one of nine standard AWP patterns is designated as straight-hang.

6. Before installation, verify that wall moisture content does not exceed 4% (using a suitable moisture meter) and that active moisture or water vapor infiltration is not present.

7. Before installation, verify that walls are free from mold and mildew. If mold or mildew is present, or if walls show visible moisture damage, or if moisture content exceeds recommendations, do not proceed with installation until the condition has been fully corrected under the direction of a qualified expert.

8. All material must be installed in numerical roll sequence starting with the highest number.

9. AWP is packaged in individual 15-yard rolls. Each roll is in a box designed to protect the product. Do NOT take the product out of the box until it is ready to be installed. If a 15-yard roll must be prematurely taken out of the box, the product roll should be stood vertically, on one end.

10. Before installation, the practice of **pre-pasting** is required. This is done by pre-pasting, using the same paste as to be used for the installation, for all of the wall area to be installed, including outside corners and inside corners. Flat walls should be pre-pasted, ceiling-to-floor, within one diameter of the application roller being used. **This paste should be dry** (generally this takes 24 hours), with any offensive lumps & blemishes sanded smooth, prior to the installation.

11. Apply an even coat of adhesive to the fabric side of material using a roller. Note that heavily embossed products will require more adhesive to produce an even coating. Pasting machines will generally not work with **AWP**. The wallcovering should be **booked for a minimum of 12 minutes**, avoiding creasing. When pasting several strips in advance, booking is recommended to insure proper wetting out of the fibers. Fold each end toward the middle, pasted sides together, aligning the edges carefully to prevent the paste on the edges from drying out.

**Caution: Do not crease the AWP! Any crease is a permanent damage. Do not step on the AWP.** Do not smooth over the overlap made during hanging, as excess pressure here can make a permanent crease. Avoid the use of metal scrapers and spatulas! If they are absolutely needed, any sharp corners must be filed down to be rounded and smooth. Avoid the stacking of strips that are pasted and booked in advance, as the added weight could cause creasing.

12. If, after applying three (3) strips, there is some question of appearance, stop and contact your local representative.

13. Install **AWP** using a plastic smoother, working out air bubbles. Caution: Remove excess paste immediately with clean water and a moist natural sponge. Do not use man made (i.e. polyester) sponges. Dry with a clean cloth.

14. **AWP** is untrimmed. Both match and random patterns must be overlapped and double cut. Industry standard "X-ACTO" style knives may be used but it is recommended to have on hand the "Seam Buster" (model # 51101), a.k.a. "Swedish Knife" as a back-up tool.

15. Changing blades as frequently as one-per-drop is highly recommended to maintain clean cuts. **This product will dull blades quickly!** Dull blades may produce uneven seams, jagged ends, or tearing of the fabric backing.

16. Use a straight-edge to guide cutting and to make sure that the cuts are at 90-degrees to the wall. This is very highly recommended, as only a clean, 90-degree, cut creates an exact, evenly fitted, seam.

17. Only full widths of material should be used for the most satisfactory installation. Headers can cause unsatisfactory shading if hung out of sequence; deeply embossed patterns will provide a more satisfactory seam if a selvage cut is taken from each side of the sheet ("double cut"). Do not "score" the dry wall.

18. Wrapping standard 90° corners (or any corner sharper than 135°) should NOT be attempted. Butt-matching inside corners provides a good, finished, appearance. Outside corners should be installed as butt-matches with anticipation of using appropriate cornered molding as the finishing process. “PL Pro Line Premium” construction adhesive is recommended for use with adhering molding (corner guard).

19. Should a rounded (i.e. “bull-nose”) outside corner [4” minimum radial turn] be encountered, at least 6 inches of material must be applied to the wall BEFORE and AFTER the corner condition. This allows for both adequate adhesion and a better appearance.

20. In case ambient conditions contribute to post-installation air entrapment, or other conditions affecting uniform adhesion, check the installed AWP up to 24 hours later, smoothing any irregularities. Apply moulding, corner guards, or other final restraints thereafter.

### **AWP MAINTENANCE and SURFACE CLEANING**

This AWP product protects against very harsh, non-abrasive chemicals. See list below outlining the progressive use (in preferred order) of potential cleaning solutions.

1. Clear warm water
2. Mild soapy warm water, then rinse
3. Isopropyl Alcohol (a.k.a. rubbing alcohol)
4. “Green” solvent-based cleaning agents, alcohol-based disinfectant sprays, nail polish remover, pine oil, cleaning agents containing household-strength bleach, and mineral spirits, among other options, may progressively be used, but should be thoroughly cleaned up afterwards with clear warm water to avoid residue and/or damage to areas near the **AWP**.
5. It is recommended that cleaning be done with a natural sponge, a natural fiber brush, or a synthetic polymer fiber brush in combination with a liquid cleaning agent. Use of a dry, harsh, brush may decrease the life of the **AWP**. Do not use a metal brush!
6. A clean cloth or towel should only be used for drying as a follow-up to the use of a natural sponge.

## LIMITED WARRANTY FOR ADVANCED WALL PROTECTION

Subject to the conditions and limitations below and the foregoing AWP Installation Instructions, J. Josephson (JJ) warrants to the end user that for a period of five years after delivery our Advanced Wall Protection product (the "Product(s)) will be free of manufacturing defects, will conform to our published specifications and will not separate from backing or exhibit bleeding or staining caused by defects in the products. Purchaser's sole and exclusive remedy shall be replacement of defective Product or refund of the purchase price.

This limited warranty does not cover and expressly excludes any claim, damage, loss or expense arising out of or relating to: (a) accident or vandalism; (b) abuse, misuse or unapproved use of the product; (c) installation contrary to the Installation Instructions and good installation practices; (d) mold or mildew; (e) abnormal conditions of use; (f) improper maintenance or failure to maintain; (g) improper storage, handling or shipment; (h) use of incompatible adhesive, materials, tools or equipment; (i) design, installation or construction deficiencies of any kind or nature; and labor in the installation of the Product.

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