Pinnacle Plus (TS) Rubber Wall Base

INSTALLATION

This document is intended for professional use to provide minimum requirements for substrate preparation, adhesive application, and special installation requirements for a successful installation of these products, each unique application may require additional or further steps to ensure complete satisfaction. We rely on the expertise and professionals that are installing the products to adjust based on site conditions. Refer to product website to confirm that you have the most current revision of this document as the requirements contained within are essential to maintaining the full system warranty for the product installed. Documentation available at time of installation will be referenced regarding warranty.

RECOMMENDED ADHESIVES

The adhesives below are the recommended adhesives for the installation of this product. The first one listed is the primary installation method recommended for applications when the conditions are met as listed. Select the appropriate application method based on the conditions of the substrate. Refer to the adhesive technical data sheet for additional information and when to utilize a different adhesive.

TS Rubber Wall Base does require 90% adhesive coverage when the material is rolled into place. Due to the formulation and manufacturing process creating a more non-absorptive backing, the additional adhesive is required to bond the product appropriately to the substrate. When adhesive is fully dry and base is removed, it is likely that the base will release clean from the adhesive with minimal or no paper tear from sheet rock. WB-600 is specially formulated to bond TS Rubber Wall Base products and the same results will not be achieved with other wall base adhesives on the market. Coverages will be lower than stated below when installing TS Rubber Wall Base.

Adhesive	Substrate	Installation Method	Recommended Trowel
WB-600	Absorptive	Wet-Set	1/8” V Notch Spreader from Pail Disposable Spreader Nozzle or 3 Hole Nozzle with a 1/8” V Notch Spreader from Cartridge
C-631	Non-Absorptive	Dry-Set	Roller or Brush Applied

Adhesive	Unit	Base Sizes	Approximate Coverages
WB-600	Cartridges	2.5” – 3.5”	70 lin. ft. Porous Only
		3.5” – 6”	50 lin. ft. Porous Only
		6.5” +	30 lin. ft. Porous Only
WB-600	4-Gallon	2.5” – 3.5”	340 lin. ft. per Gal / 1360 lin. ft. 4-Gal
		3.5” – 6”	240 lin. ft. per Gal / 960 lin. ft. 4-Gal
		6.5” +	180 lin. ft. per Gal / 720 lin. ft. 4-Gal
C-631	Quart	2.5” – 3.5”	160 lin. ft. per Quart
		3.5” – 6”	130 lin. ft. per Quart
		6.5” +	100 lin. ft. per Quart

Rates are approximate and subject to level of porosity as well as ambient conditions, actual varies may vary.

STORAGE & HANDLING, INSTALLATION & SERVICE ENVIRONMENT, & ACCLIMATION

- All products must be stored in an indoor, climate-controlled (60° - 85° F) space and protected from the elements.
- All products must be stored on a dry, flat, level surface. Carefully stacked aligned neatly and not on edge. Do not stack pallets and protect products from damage.

The reported technical data information for these products is based on a formulation that is designed, manufactured, and evaluated to perform at constant temperatures, not fluctuating more than 10° from normal selected service temperatures from the allowable 60° F (15° C) - 85° F (26° C) range. These products are designed for service on substrate temperatures ranging from 60° F (15° C)

- 85° F (26° C) unless otherwise noted in the specific installation section. These products are designed for service within ambient relative humidity between 40% and 60%.

Acclimation of the material is achieved when the following conditions are met within the installation area.

- **Service environment** is defined as the environment in which the materials will be utilized.
- **Service temperature** is defined as the normal setting of the HVAC in the environment in which the material is installed, i.e., typically 70° - 72° F in most commercial applications.
- **Temperature** must be maintained between 60° F (15° C) - 85° (26° C), preferably at the ***desired service temperature***.
- **Relative Humidity** must be maintained between 35% - 65%, understand that Relative Humidity does not affect the installation of the material, but it can affect the functionality of the adhesives. Outside of the ranges, the stated information regarding open times, flash times, & dry times will vary.
- Facility must be fully enclosed, sealed and weather tight.
- Building HVAC must be up and running in permanent operation prior to installation (if temporary systems or systems other than the permanent HVAC systems are utilized it must be capable of maintaining the same conditions as the permanent HVAC and/or service conditions).
- Maintain all products and adhesives in installation area at the ***desired service temperatures*** for a period of 48 hours prior to installation, during the installation and for the service life of the installation.
- It is recommended to utilize a cloud-based or similar ***data logging system*** during installation to provide temperature & humidity data in the event of a warranty issue.

While we do our best to provide quality products and workmanship in our manufacturing facilities, quality installation is the responsibility of the installer. Inspect all material for proper type, color, and matching lot numbers if appropriate. We ask that we are notified of any inaccuracies or defects prior to installation as **we do not pay labor for or material costs on installed materials with visual defects.**

Users are advised to confirm suitability of these products by their own tests and ensure that all adhesives intended for installation meet the requirements of the end user.

By covering a substrate, underlayment, or existing surface, you have indicated acceptance of substrate and installation environment.

If there are concerns regarding this information or the service temperature, substrate temperature or installation environment will not meet these requirements, please contact Technical Services for recommendations prior to installation at solutions@rhctechnical.com, we will be happy to discuss and provide direction or confirmation of the project at that time.

SUBSTRATE PREPARATION

All substrates must be clean, smooth, permanently dry, flat, and structurally sound. Substrates must be free of visible water or condensation, dust, sealers, water-based / acrylic paint, residual adhesives and adhesive removers, solvents, wax, oil, grease, asphalt, gypsum compounds, visible alkaline salts or excessive efflorescence, mold, mildew and any other extraneous coating, film, material, or foreign matter.

- Substrate must be a structurally sound interior wall surface, such as dry plaster, cured drywall, fiber-reinforced plastic (FRP) panels, hygienic wall cladding, fiberglass, exterior grade plywood (Group 1, CC type), concrete, metal, and/or masonry.
- Fiber-reinforced plastic (FRP) panels, hygienic wall cladding, fiberglass, metal, and/or painted masonry surfaces should be treated as non-absorptive or non-porous and C-631 Contact Adhesive should be utilized for successful installation.
- Any cracks, voids, divots, grout lines and imperfections should be filled with a patch or filler suitable for the substrate.
- ***Gaps*** at the bottom of a wall shall not exceed 1/2” when installing a base with a toe and not exceed 1/4” with toeless base, although it is preferred to have substrate backing all the way to floor with toeless base.
- When installing directly over a resinous product, such as epoxy paint, ensure that coating is dry to the touch and has cured for the prescribed length of time. These installations are recommended only with the C-631 Contact Adhesive.
- Metal substrates must be thoroughly sanded/ground and cleaned of any residue, oil, rust and/or oxidation. When installing in areas that may be subject to topical water or moisture and/or high humidity, an anti-corrosive coating must be applied to protect metal substrate. Contact a local paint or coating supplier for coating recommendations. These installations are recommended only with the C-631 Contact Adhesive.
- It is also recommended when installing on ***very smooth or glossy substrates such as smooth FRP or metal***, to abrade the substrate to improve the bond of the adhesive.

- Do not install over ***expansion joints*** in the substrate. These joints must be honored and not filled with products that are not intended for that purpose.

Regarding substrate preparation when mechanical sanding, grinding, shot blasting, and vacuuming always follow the Resilient Floor Covering Institute's (RFCI) "Recommended Work Practice for Removal of Existing Floor Covering and Adhesives," and all applicable local, state, federal and OSHA requirements regarding Asbestos and Silica containment regulations.

NON-APPROVED SUBSTRATES

Existing Wall Base products or Concrete substrates that have been abated or prepared with chemical adhesive removers, solvents, or chemical cleaners.

Existing Wallpaper or other coverings that are not permanently secured to the structure. Wallpaper and vinyl wall coverings are not suitable for bonding and need to be removed prior to the installation of the wall base. It is acceptable to leave 1/8" – 1/4" behind the top of the base to ensure a clean edge.

ADHESIVE BOND TEST

An ***adhesive bond test*** must be performed using actual wall base and adhesive materials being installed to determine adequacy. Test areas should be a minimum of 36" and remain in place for at least 72 hours prior to evaluation for bond strength to the substrate. This will help to ensure application of the adhesive and the bond achieved is adequate for the project to continue.

INSTALLATION

With the installation of sculpted or profiled wall base, we need to determine if we are utilizing corner blocks, and/or creating corners on the jobsite. Due to variations in size and color during manufacturing processes, we do recommend that corners are created on the jobsite with the wall base materials being installed.

Cut to desired length and fit tightly against corner blocks (installation the same as above for traditional wall base) or allow for jobsite formed corners detailed in a later section.

- Apply adhesive to the back of the wall base or wall surface ***within 1/4" of the top*** of the wall base to prevent oozing.
- Install wall base to substrate within 10 minutes of adhesive application without stretching or over-compression during installation. Stretching material or over-compressing seams and corners may cause wall base to shrink and/or curl/delaminate, respectively.
- Periodically lift material to ensure proper adhesive coverage, ***adhesive should cover 90%*** of material when rolled into place.
- Using a suitable hand roller, carefully ***roll material in the direction of the last piece installed*** with a hand roller to ensure contact with adhesive within 30 minutes of installation.

BUTTING TO CORNER BLOCKS

When installing base against corner block fixtures, a scribe tool may be needed. All corners may not be plum, so scribing the base to the corner may be the best option for a tight fit. After scribing and when cutting the base material along the scribe line, give the cut a slight angle back so the front face of the material fits against the edge of the corner block.

The face of the material can be kicked out when installed over the corner block wings, to alleviate this it may be necessary to remove material from the back side to sit over the corner block wings. Any minor imperfections can be corrected by using matching ***colored caulk*** to fill any voids or imperfections.

BUTTING END SEAMS

Butting the ends of the base may require re-cutting. Under certain conditions the factory edges may not be square enough for an acceptable installation.

Another method that will help conceal the end seams is to install with a 22.5° or 45° overlap. It may also help to have to the angle of the overlap facing away from the main line of sight. The use of contact adhesive or liquid super glue can be used to bond the end seams.

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INSTALLATION

CREATING CORNERS ON THE JOBSITE

When using sculptured or profiled wall base, jobsite formed corners are made like wood baseboard and wood molding. Use the Miter-Saw or D-Cut Mitering Methods for inside and outside corners. The use of the Coping Method is recommended for inside corners that are not square or plumb.

After corners are cut, minor adjustments are made if necessary and the corner is tight, use ***Loctite Liquid Professional Super Glue*** (or an equivalent, liquid super glue) to glue corner pieces together at the joint. Releasable painters' tape is also helpful to keep corners in contact with the adhesive until the adhesive dries.

Miter Saw Corner Method

- When using a miter-saw to cut sculptured or profiled wall base, be sure to use a finishing blade with a minimum of 60 teeth.
- It is best to utilize a miter saw with a high enough fence and a long enough table to support material as it is being cut.
- Use an adjustable protractor or an angle finder to determine the angle of the corner to be formed.
- Adjust miter saw blade angle to measured angle and cut material to create a slightly undercut angle.
- When cutting material, be sure to move through material slowly enough to provide a clean cut but fast enough to avoid burning or deforming the material.
- After corners are cut, minor adjustments are made if necessary and the corner is tight, use ***Loctite Liquid Professional Super Glue*** (or an equivalent, liquid super glue) to glue corner pieces together at the joint.
- After the super glue has dried, apply adhesive and install the corner piece. Releasable painters' tape is also helpful to keep corners in contact with the adhesive until the adhesive dries.
- Any minor imperfections can be corrected by using matching ***colored caulk*** to fill any voids or imperfections.

D-Cut Wall Base Cutter Method

- When using a D-Cut RC-200 Wall Base Cutter, ensure blade is sharp, clean and does not have any chips or visible damage.
- Angles other than 90º, 45º or Square Cuts will need to be done with a miter saw.
- Set D-Cut blade to a 45° angle and adjust material forward or backward, depending on cut desired.
- Use D-Cut cutter to cut outside corner edges of both pieces of corner material, ensuring that material is flush to D-Cut cutter fence and does not move or shift while cutting.
- After corners are cut, minor adjustments are made if necessary and the corner is tight, use ***Loctite Liquid Professional Super Glue*** (or an equivalent, liquid super glue) to glue corner pieces together at the joint.
- After the super glue has dried, apply adhesive and install the corner piece. Releasable painters' tape is also helpful to keep corners in contact with the adhesive until the adhesive dries.
- Any minor imperfections can be corrected by using matching ***colored caulk*** to fill any voids or imperfections.

Coping Method

- The use of the Coping Method is recommended for inside corners that are not square or plumb.
- Install one side of the inside corner as usual butting to the adjacent wall, ensuring base is flush against both surfaces.
- Cut the second piece at a 45º angle exposing the back side of the material using a Miter-Saw or a D-Cut cutter (the back will be longer than the face) to reveal the face of the profile.
- Using a Utility knife or Coping Saw cut the second piece carefully following the leading edge of the profile face, taper or under-cut the back of the material when cutting.
- Once cutting is finalized, butt the second piece into the already installed first piece.
- After corners are cut, minor adjustments are made if necessary and the corner is tight, apply adhesive and install the corner piece. Releasable painters' tape is also helpful to keep corners in contact with the adhesive until the adhesive dries.
- Any minor imperfections can be corrected by using matching ***colored caulk*** to fill any voids or imperfections.

CORNER BLOCK INSTALLATION

Factory Corners and Corner Blocks should be installed prior to Wall Base products.

- Corners and corner blocks are designed for installation on standard 90° corners, installation should not be attempted on rounded corners other angles, including 135° angles.
- Install adhesive to the back of the corner or corner block and install onto corner.
- ***Mechanically fasten*** the returns / wings of ***corner blocks*** with staples or brad nails to increase stability. When fastening, ensure that staples or nail heads do not protrude from return, as they may telegraph through wall base material.
- Corner Block Installations can be enhanced by using matching ***Colored Caulk*** to fill any voids or imperfections.
- Allow wall base adhesive to dry for 72 hours while not disturbing installation during this time.

WALL BASE PAINTING PROCEDURES

Sculpted or Profiled Wall Base may be painted, if desired. Once wall base has been cleaned and wall base is free of all residues which may interfere with bonding, the wall base must be primed prior to final painting. Be sure to select a high-quality primer that is recommended and compatible with rubber and vinyl, such as a 100% acrylic or a 100% acrylic latex paint primer. Test compatibility on an un-installed piece of wall base to confirm adhesion, compatibility, and performance.

Once the primer has properly dried, the wall base can be painted with a high quality acrylic latex paint. Follow all primer and paint manufacturer's recommendations and guidelines. Confirm proper maintenance procedures for paint prior to cleaning.

In lieu of painting, we do offer custom or matched colors at low quantities to provide excellent coordination within projects.

POST INSTALLATION WALL BASE PROTECTION

We recommend that the installation of wall base be performed after all other trades have completed their work. If this is not possible, properly protecting the new wall base is essential to prevent damage. So, the following should be considered immediately following the installation process.

- Protect newly installed wall base with construction grade undyed kraft paper or protective boards, such as Ram Board, ThermoPLY, 1/8" Masonite panels, or other materials to prevent damage by other trades.

SUPPORT & ADDITIONAL RESOURCES

Product Support Phone & Email	(800) 537 – 9527 / sales@roppe.com
Technical Support Phone & Email	(844) 393 – 4044 / solutions@rhctechnical.com
Product Technical Documentation	www.roppe.com
Associated or Related Documentation	Excelsior WB-600 Wall Base Adhesive Excelsior C-631 Contact Adhesive Referenced Standards within Technical Documents Technical Bulletin Wall Base & Accessories Care & Maintenance