Pinnacle (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 Wall Base, we need to determine if we are utilizing premade factory corners, 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.

- 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.

CREATING CORNERS ON THE JOBSITE

Jobsite formed corners can be made as wall base is being installed to provide the continuous look this method provides. It is best to utilize a heat gun and cool water to ensure this process goes faster. Releasable painters' tape is also helpful to keep corners in contact with the adhesive until the adhesive dries. We will cover Inside and Outside corners with both Cove and Flat/Straight wall base.

Outside Corners with Cove Wall Base

- Position material firmly against the wall, allowing wall base to overhang corner in the direction that it will be installed.
- Use a pencil to mark the center of the corner on the back of the wall base, ensuring pencil line is straight and runs from the top of the wall base to the base of the toe.
- Reposition wall base material on a flat, stable surface, backside facing up.
- Use a top-set gouge to create a center groove on the long side of the pencil line, removing ~30% of the depth of the material. Center groove should be to the side of the line that is wrapping the corner. Remove excess material from each side of the corner groove. Removal of too much material can and will cause the wall base to "whiten out" or potentially crack.
- Use a pencil to mark 1" from the base of the toe on the center line.
- From the 1" mark, mark a straight line on a 45° angle to the base of the toe on either side of the center groove.
- Use the top-set gouge to cut two stress relief grooves along the pencil line.
- Use a knife to remove all excess material between the stress relief groove and the center groove.
- While rolling to toe of the wall base up, fold wall base along center groove to form the corner.

- The top edge of the wall base should fit tight and flush to the wall's surface, while the toe should be rounded and sit flat on the surface of the floor.
- Apply adhesive to the back of the wall base, position the corner, and install the rest of the piece of wall base. Shorter returns may need tape to help hold it into place, typically longer returns will hold themselves into place.
- Follow the same guidelines for the application of adhesive to the wall base or substrate for the corners as well.

Outside Corners with Straight Wall Base

- Position material firmly against the wall, allowing wall base to overhang corner in the direction that it will be installed.
- Use a pencil to mark the center of the corner on the back of the wall base, ensuring pencil line is straight and runs from the top of the wall base to the base of the toe.
- Reposition wall base material on a flat, stable surface, backside facing up.
- Use a top-set gouge to create a center groove on the long side of the pencil line, removing ~30% of the depth of the material. Center groove should be to the side of the line that is wrapping the corner. Remove excess material from each side of the corner groove. Removal of too much material can and will cause the wall base to “whiten out” or potentially crack.
- The top edge of the wall base should fit tight and flush to the wall's surface, while the toe should be rounded and sit flat on the surface of the floor.
- Apply adhesive to the back of the wall base, position the corner, and install the rest of the piece of wall base. Shorter returns may need tape to help hold it into place, typically longer returns will hold themselves into place.
- Follow the same guidelines for the application of adhesive to the wall base or substrate for the corners as well.

Inside Corners with Cove Wall Base

- Position material firmly against the wall, allowing wall base to overhang corner in the direction that it will be installed.
- Use a pencil to mark the center of the corner on the back of the wall base and make note of wall base installation direction (from left to right or right to left).
- Reposition wall base material on a flat, stable surface, backside facing up.
- Prior to creating an inside corner, measure the distance from the end of the last piece of base installed to the inside corner.
  - If the distance from the last piece of base installed and the corner is within 5', draw a center line 1/16" from initial center mark in the direction the wall base will be installed.
  - If the distance is more than 5', draw a center line 1/8" from initial center mark in the direction the wall base will be installed. Ensure pencil line is straight and runs from the top of the wall base to the base of the toe.
- Use a top-set gouge to create a center groove along the center line, then remove excess material from each side of the center groove and fold wall base along center groove to form the inside corner.
- Use a utility knife to cut a "V" into the toe from the base of the toe to the end of the toe. Ensure "V" is slightly less than 45° to avoid removing too much material.
- Remove material to create a triangular void so that wall base can be installed into corner without the toe overlapping.
- Make any final adjustments prior to installation.
- The top edge of the wall base should fit tight and flush to the wall's surface, while the toe should be rounded and sit flat on the surface of the floor.
- Apply adhesive to the back of the wall base, position the corner, and install the rest of the piece of wall base. Shorter returns may need tape to help hold it into place, typically longer returns will hold themselves into place.
- Follow the same guidelines for the application of adhesive to the wall base or substrate for the corners as well.

Inside Corners with Straight Wall Base

- Install one side of the inside corner as usual, ensuring that wall base is flush with adjoining wall.
- Position the next section of wall base on the adjoining wall with a ~1" gap from the installed material.
- Set a divider to the gap and move wall base material flush with the corner.
- While applying firm pressure to the adjacent wall base corner with divider, mark the wall base with the divider to determine scribe line.
- Use a suitable knife to trim wall base along scribe mark.

- Install wall base as usual, follow the same guidelines for the application of adhesive to the wall base or substrate for the corners as well.

CORNER BLOCK OR FACTORY CORNER 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

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