

## TECHNICAL DATA

Toe Styles:	<b>Cove, No Toe</b>
Nominal Height - Standard Base:	<b>2 1/2" (63.5 mm) 4" (101.6 mm) 4 1/2" (114.3 mm) 6" (152.1 mm)</b>
Nominal Length:	<b>48" Sections (1.22 m) 120' Rolls (36.58 m)</b>
Nominal Thickness:	<b>1/8" (3.2 mm)</b>
ASTM F1861 – Resilient Wall Base:	<b>Type TS, Group 1, Style A &amp; B</b>
ASTM E648 (NFPA 253) - Critical Radiant Flux:	<b>Class I, &gt; 0.45 W/cm<sup>2</sup></b>
ASTM E662 (NFPA 258) - Smoke Density:	<b>Passes, &lt;450</b>
ASTM E84 - Flammability:	<b>Class A</b>
Acclimation Time:	<b>48 Hours</b>
Storage & Acclimation Temperature:	<b>65° - 85° F</b>

## SUSTAINABILITY

**FloorScore®** Certified, Qualifies for **LEED v2009 IEQ Credit 4.1 credit**, Recyclable through the **FLEXCO Impact Program**

Technical Support: [solutions@rhctechical.com](mailto:solutions@rhctechical.com)

## APPROVED ADHESIVES

**Excelsior WB-600 Acrylic Wall Base Adhesive** – Is an acrylic wet-set, wall base adhesive that can be used over porous substrates in indoor applications.

**Excelsior C-630 Water Based Contact Adhesive** - A water-based contact adhesive used for the permanent installation of vinyl and rubber resilient flooring, stair treads, wall base, flash coving and accessories in horizontal or vertical installations over porous and non-porous substrates in indoor applications.

## SUBSTRATE, INSTALLATION & MAINTENANCE INFORMATION

### **1. PRODUCT LIMITATIONS**

- Prior to acceptance of this document refer to [www.flexcofloors.com](http://www.flexcofloors.com) to confirm the most current revision.
- Do not install materials over existing wall base, rubber, vinyl or linoleum flash cove, cork, and asphaltic materials.
- Do not install wall base materials in outdoor areas and in or around commercial kitchens.
- Do not install in areas that may be subjected to sharp, pointed objects.
- Do not use wall base in place of crash guard/rail or wall protection where extreme abuse or high impact areas may occur.

- Damage will occur with repeated impact from pallet jacks, heavy carts, chair/furniture legs, forklifts or dollies.
- Do not allow product to be directly exposed to extreme heat sources, such as radiators, ovens or other high-heat equipment.
- Protect installation area from extreme temperature changes, such as excessive heat and freezing, as well as direct sunlight/UV for at least 48 hours before, during and for the life of the installation.
- Fading can occur from extensive or long term exposure to heavy direct or glass-filtered sunlight, or unfiltered ultra-violet rays, so use caution or window treatments in these areas.
- May be susceptible to staining from harsh disinfectants, cleaning agents, dyes or other harsh chemicals – ensure all chemicals and materials that may come in contact with wall base will not stain, mar or otherwise damage the material prior to use.

## 2. PRE-INSTALLATION

- Consult all associated product literature concerning installation and warranty prior to installation.
- Allow all trades to complete work prior to installation.
- Deliver all materials to the installation location in its original packaging with labels intact.
- Inspect all materials to ensure there is no damage.
- Do not stack pallets to avoid damage.
- Ensure HVAC system is operational and fully functioning at normal operating conditions 48 hours prior to, during and for the life of the installation.

## 3. STORAGE, ACCLIMATION & SERVICE ENVIRONMENT

- Ensure material is adequately stored at temperatures between 65° F (19° C) and 85° F (30° C) prior to installation.
- This product is designed, manufactured and tested to perform at constant temperatures, not fluctuating more than 4° from normal selected service temperatures from the allowable 65° F (19° C) - 85° F (30° C) range.
- During acclimation, the material must be in the installation area with the HVAC system functional and operating at desired service temperatures for a period of 48 hours prior to installation, during the installation and for the service life of the installation afterwards.
- It is recommended maintaining an ambient relative humidity between 40% and 60% for a period of 48 hours prior to installation, during the installation and for the service life of the installation afterwards.
- If the material will be installed outside of the above acclimation and service temperature ranges contact Technical Services for more detailed installation recommendations.

- Do not proceed with installation until all conditions have been met.

## 4. CRACKS, JOINTS & VOIDS

All cracks, joints and voids, as well as the areas surrounding them, must be clean and free of dust, dirt, debris and contaminants and be repaired with a suitable cementitious patch. Due to the dynamic nature of some vertical joints, manufacturer **cannot** warranty installations over expansion joints, cracks or other voids such as control cuts saw joints and moving cracks. Do not install base or use adhesives directly over any expansion joints.

All expansion joints should have a suitable expansion joint covering system installed to allow expansion joint to freely move.

## 5. SUBSTRATE PREPARATION

*In regards to 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 in regards to Asbestos and Silica containment regulations.*

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, fiberglass, exterior grade plywood (Group 1, CC type), concrete, metal and masonry. Any cracks, voids, divots, grout lines and imperfections must 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 products, such as epoxy paint, ensure that coating is dry to the touch and has cured for the prescribed length of time. Substrate must be clean, dry, sound and free of contaminants. Metal substrates must be thoroughly sanded/ground and cleaned of any residue, oil, rust and/or oxidation. Substrate must be smooth, flat and sound prior to installation. 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.

### **Porous Substrates**

The Excelsior WB-600 is recommended for porous substrates only. Concrete, wood, unpainted drywall all need to be clean, dust free and also free of all aforementioned contaminants.

### **Non-Porous Substrates**

WB-600 is NOT recommended over non-porous substrates. Material to be installed over non-porous substrates, such as epoxy paint, FRP panels, fiberglass or metal must be installed with the Excelsior C-630 Contact Adhesive. It is also recommended when installing over very smooth or glossy substrates such as FRP or metal, to abrade the substrate to improve the bond of the adhesive.

## **6. FACTORY CORNER INSTALLATION**

FLEXCO Factory Corners, Corner Blocks and Micro Corner Blocks must be installed prior to Wallflowers Wall Base materials. Ensure substrate is suitably prepared prior to installation, as manufacturer is not responsible for substrates that have not been properly prepared. Ensure adhesive is approved for use with wall base material and that proper trowel or applicator type and size is used, as manufacturer is not responsible for any and all adhesion issues related to improper adhesive selection or usage.

Corners and corner blocks must be installed on 90° corners - do not attempt to install corner blocks over 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.

## **7. WALL BASE INSTALLATION**

Prior to installation, ensure wall base material has been properly acclimated and that ambient conditions are within normal operational ranges. Ensure substrate is suitably prepared prior to installation, as manufacturer is not responsible for substrates that have not been properly prepared. Ensure adhesive is approved for use with wall base material and that proper trowel or applicator type and size is used, as manufacturer is not responsible for any and all adhesion issues related to improper adhesive selection or usage.

Cut wall base to desired length and fit tightly against corner blocks or allow for job-site formed corners detailed in section 6.

Apply adhesive to the back of the wall base per adhesive instructions, ensuring that wet-set adhesives do not

come within 1/4" of the top of the wall base. Install wall base to substrate, ensuring that wall base material is not stretched or over-compressed 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 transfer - adhesive should cover 90% of material.

Using a suitable hand roller, carefully roll material in the direction of the last piece installed with a hand roller within 30 minutes of installation.

Wallflowers wall base and corner blocks installations can be enhanced by using FLEXCO's matching Colored Caulk to fill any voids or imperfections. Allow wall base to cure for the required period of time - do not disturb wall base installation until curing time is complete.

## **8. JOB-SITE FORMED CORNERS**

Ensure substrate is suitably prepared prior to installation, as manufacturer is not responsible for substrates that have not been properly prepared. Ensure adhesive is approved for use with wall base material and that proper trowel or applicator type and size is used, as manufacturer is not responsible for any and all adhesion issues related to improper adhesive selection or usage.

### **OUTSIDE CORNERS**

To create an outside corner on-site using wall base material, position wall base 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 wall base material. Ensure center groove is on the side of the line that is in the direction the wall base will be installed. Remove excess material from each side of the corner groove.

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.

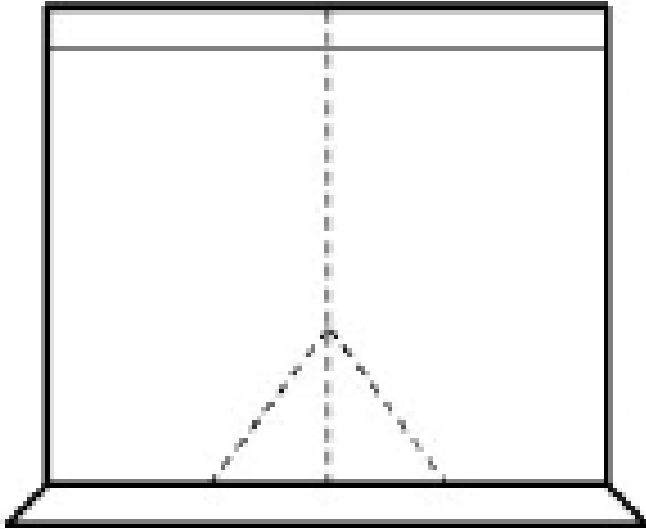
Use a knife to remove all excess material between the stress relief groove and the center groove.

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 per adhesive instructions, ensuring that wet-set adhesives do not come within 1/4" of the top of the wall base, and install wall base to substrate.

### Outside Corner Detail



### INSIDE CORNERS - TOE

To create an inside corner using wall base material, position wall base material firmly against the wall and into the corner. 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 gauge to create a center groove along the center line. Remove excess material from each side of the center groove. 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.

Apply adhesive to the back of the wall base per adhesive instructions, ensuring that wet-set adhesives do not come within 1/4" of the top of the wall base, and install wall base to substrate.

The top edge of the wall base should fit tight and flush to the wall's surface and previously installed wall base.

Once properly positioned, apply firm pressure to the corner to adhere it to the wall. Roll wall base with a hand roller in the direction the material was installed.

### INSIDE CORNERS - NO TOE

To create an inside corner on-site using wall base material, install one side of the inside corner as usual, ensuring that wall base is flush with adjoining wall. Before applying adhesive, position the next section or coil 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, ensuring that wet set adhesives do not come within 1/4" of the top of the wall base and do not squeeze out of wall base corner.

## 9. INITIAL MAINTENANCE

Ensure that adhesive has cured for recommended period of time prior to conducting initial maintenance. Remove any protective coverings prior to cleaning. Dust or wipe base to remove any dirt, dust or debris.

Mix 2-4 ounces of Excelsior All Purpose Cleaner per gallon of clean, potable water. Use a soft, clean cloth or towel to apply cleaning solution to clean wall base.

Do not use detergents or abrasive cleaners, as they will dull the finish and sheen of the material. Avoid contact with vacuums and cleaning machines, especially those that have a beater bar, or electric brooms, especially those with hard plastic bottoms or no padding, as this may cause discoloration, scratching and loss of sheen.

*For further information regarding daily or routine maintenance, please consult the product care & maintenance document or the associated product technical data sheet.*

## 10. PAINTING PROCEDURES

Wallflowers 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.

### **11. WARRANTY**

FLEXCO provides a 2 year limited warranty for all Rubber Wall base. For additional information, see associated warranty documents.

### **FOR PROFESSIONAL USE ONLY**

**PLEASE CONSULT ALL ASSOCIATED INSTALLATION INSTRUCTIONS and TECHNICAL DATA, SAFETY DATA SHEETS, MAINTENANCE DOCUMENTS, AND WARRANTY INFORMATION PRIOR TO INSTALLATION.**