TECHNICAL DATA

Style:	**Butt-To / Flush**
Nominal Height:	**6" (152.4 mm)**
Nominal Toe Length:	**3" (76.2 mm)**
Vertical Thickness:	**1/8" (3.2 mm)**
Toe Thickness:	**0.080" - 1/8" Taper (2 mm - 3.2 mm)**
Nominal Length:	**6' Sections (7.62 mm)**
ASTM F1861 – Resilient Wall Base:	**Type TP, Group 1, Style C**
ASTM E648 (NFPA 253) - Critical Radiant Flux:	**Class I, > 0.45 W/cm^2**
ASTM E662 (NFPA 258) - Smoke Density:	**Passes, <450**
Acclimation Time:	**48 Hours**
Storage & Acclimation Temperature:	**65° - 85° F**

SUSTAINABILITY

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

Technical Support: **solutions@rhctechnical.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 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.

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 ½" when installing a base with a toe and not exceed ¼" 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 contaminates. 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 contaminates.

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. WALL BASE INSTALLATION

In some applications, depending on room layout, working around the room from left to right or right to left may help in the alignment of the base lengths and also align the material in the room itself. Cut and dry-fit all Health Design Wall Base materials and in some instances the use of scribes is recommended when corners are not plumb. Check for manufacturing defects and substrate abnormalities and make necessary 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. Install wall base to substrate, again double faced/installation tape may be use on the wall to help hold material, also allowing same day heat welding while the adhesive cures on the rest of the material.

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.

Health Design wall base 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.

7. MITERING INSIDE AND OUTSIDE CORNERS WITH HEALTH DESIGN WALL BASE

The preferred method of finishing the corners with the Health Design Wall Base is to miter the corners on site and heat weld or finish them acceptably to the facility owner. It may be necessary to use installation tape or some other type of instant grab adhesive at the corners to help hold the material while making cuts. This method works for all inside and outside corners of any angle. The measurements would need to be adjusted of course for the different angles such as the 135° corners.

With the inside corners, finish the base square into the corner in either direction. To prepare for the other piece, trim the base from the top of the cove portion to the top of the base at a rough 45° angle. Trim from the top of the cove portion to the end of the floor section at a greater than 45° angle to the end of the floor section, you will need to double-cut this section after the second piece of the corner is installed.

Take the end of the piece to make the other side of the corner and ensure it is square. Trim the base from the top of the cove portion to the top of the base a rough 45° angle to fit into the corner. Trim back some of the material from the top of the cove to the end of the floor section at an angle greater than 45°. Place the material into the corner.

After placing the material into the corner and aligning the top, double cut the cove portion to fit into the corner, trying to keep the seam as tight as possible to make the welding or finishing easier. After trimming the cove, you can double cut the floor portion to fit tight and finish the corner.

For the outside corner, run either side past the corner long enough to allow for double cutting the floor section to create the corner. Trim back some of the material from the top of the cove to the top of the base to a rough 45° angle. Trim from the top of the cove to the end of the floor section at an angle less than 45°, you will need to double cut this section after the second piece of the corner is installed.

For the other piece of the corner, place the section just longer than the previous side piece and start trimming from the top of the base to the top of the cove to fit tightly. Trim the cove section so that it lines us with the other side of the corner, and then double-cut the floor portion to finish the corner.

8. HEAT-WELDING INSTALLATION

Health Design Wall Base may be heat-welded vertically and horizontally. All vertical seams must be heat-welded with Flexco Vinyl Weld-Rod and must be welded prior to welding the horizontal seams. Horizontal seams must be welded with the same weld rod that is recommended for welding the flooring material being used. Ensure that adhesive has cured for recommended period of time prior to beginning heat-welding.

Prior to cutting heat-welding groove, ensure gap between seams is free of adhesive, dust, dirt, debris and contaminates. When using a hand grooving or electric grooving machine, test groove depth on scrap material to ensure proper depth is achieved. While grooving, ensure removal is split between each side of the materials, 50% per side. Hand-grooving may be required near walls, protrusion and other obstacles. Remove any and all loose pieces of material, as well as any other debris from groove prior to welding. Using a hot air

welding gun, insert the Welding Rod through the welding tip and into the center of the routed groove or seam.

Prior to welding, test weld on scrap material to ensure temperature settings and welding speeds are correct and achieve a successful bond on both products.

Do not allow foot traffic or trim welding bead until welding bead has completely cooled. To trim seam, use a clean, sharp quarter-moon spatula knife and a clean trim plate or a Crain Mozart trimmer. Use an X-Acto Trimmer with a round blade when trimming cove areas and use extreme caution. After one hour, trim seam again with a quarter-moon spatula knife to create a smooth, level seam surface. The use of a mild household dish soap and water mixture in a spray bottle can assist in easier and smoother final skiving of the weld rod. Be sure to not spray water into open seams. After final skiving of FLEXCO's Weld-Rod glaze the trimmed seam with a heat gun to achieve proper color.

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. Sweep, dust or wipe material to remove any dirt, dust or debris. DO NOT use vacuums or electric brooms which have beater bars, hard plastic bottoms, a rubber bumper or are lacking proper padding or protection, as this may cause marking, discoloration, scratching and loss of sheen. Do not use detergents, abrasive cleaners or "mop and shine" type products, as they will dull the finish and sheen of the material.

Mix 2-4 ounces of Excelsior NC-900 Neutral Cleaner per gallon of clean, potable water. Use a clean towel or cloth to apply cleaner to material. If heavily soiled, an additional cleaning may be required. Use clean towel or cloth to remove any and all excess cleaning solution. Rinse area with clean, cool water and allow material to dry entirely. Ensure material is clean and that all cleaning residue has been removed (this may require additional rinsing).

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

10. MATERIAL PROTECTION

Protect newly installed material with construction grade paper or protective boards, such as Masonite or Ram Board, to protect material from damage by other trades. Limit usage and foot traffic according to the adhesive's requirements. When moving appliances or heavy furniture protect wall base from scuffing and tearing using temporary floor protection.

11. WARRANTY

FLEXCO provides a 2 Year Limited Warranty on all Health Design Wall Base materials. 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.