

## TECHNICAL DATA

Profiles / Styles:

**Harmony, Regal, Captivate, Merit, Bliss, Charisma, Whimsical, Triumph, Enchanted, Noble, Marquis, Escalate, Reflection, Charmed, Echo, Icon, Resolute, Fascinate**

Nominal Height - Harmony:

**2 5/8" (12.7 mm)**

Nominal Height - Regal:

**3" (76.2 mm)**

Nominal Height - Charmed, Echo, Icon:

**4" (101.6 mm)**

Nominal Height - Captivate, Merit:

**4 1/4" (107.95 mm)**

Nominal Height - Bliss, Charisma, Whimsical:

**4 1/2" (114.3 mm)**

Nominal Height - Triumph:

**4 5/8" (114.3 mm)**

Nominal Height - Enchanted:

**5" (127mm)**

Nominal Height - Noble:

**5 1/4" (139.7 mm)**

Nominal Height - Marquis, Escalate, Resolute  
Fascinate:

**6" (139.7 mm)**

Nominal Height - Reflection:

**7 3/4" (196.9mm)**

Nominal Thickness - Merit:

**1/8"(12.7 mm)**

Nominal Thickness - Captivate, Noble,  
Escalate, Reflection, Charmed:

**1/4" (6.35 mm)**

Nominal Thickness - Harmony, Regal, Bliss,  
Charisma, Whimsical, Triumph,  
Enchanted, Marquis, Echo, Icon,  
Resolute:

**3/8" (9.53 mm)**

Nominal Thickness - Fascinate:

**1/2"(12.7 mm)**

Nominal Length - Regal, Captivate, Bliss,  
Whimsical, Triumph, Enchanted,  
Noble, Marquis, Escalate, Charmed,  
Echo, Icon, Resolute, Fascinate:

**8' Sections (2.44 m)**

Nominal Length - Harmony, Merit,  
Charisma and Reflections Only:

**40' Rolls (12.19 m)**

ASTM F1861 - Resilient Wall Base:

**Type TP, Group2, Style D**

ASTM E648 (NFPA 253) - Critical Radiant Flux:

**Class I, > 0.45 W/cm<sup>2</sup>**

ASTM E662 (NFPA 258) - Smoke Density:

**Passes, <450**

ASTM E84 - Flammability:

**Class A**

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](mailto:solutions@rhctechnical.com)

## ADHESIVES & ITEMS FOR INSTALLATION

### 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.

Adhesive Coverage Rates and Traffic Limits					
Coverage Rates (per gallon)			Working Times & Traffic Limits		
Adhesive	Porous	Non-Porous	Flash Time	Working Time	Maintenance
WB-600	180-340 lin.ft.	NA	NA	NA	72 Hours
C-630	20-40 lin. ft. / quart		30 – 60 Mins.	2 Hours	>72 Hours

## 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

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.

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. Material to be installed over non-porous substrates, such as epoxy paint, FRP panels or fiberglass, must be installed with the Excelsior C-630 Contact Adhesive.

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. 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.

#### 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. CORNER BLOCK INSTALLATION

FLEXCO Corner Blocks and Micro Corner Blocks must be installed prior to Base Sculptures 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.

***Corner blocks must be installed on 90° corners - do not attempt to install corner blocks over other odd angles and this also includes bullnose corners.***

Install adhesive to the back of the 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 8.

When installing base against corner block fixtures, a scribe tool may be needed. All corners may not be plum, 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. This may be needed; the face of the material can be kicked out when installed over the corner block wings. Any minor imperfections can be corrected with the use of the color match caulking. 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° 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 adhere the end seams.

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.

Base Sculptures 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

When using thick sculpted wall base, job-site formed corners are made similar to wood baseboard and wood molding. Use the Miter-Saw or D-Cut Miterring Methods for inside and outside corners. The use of the Coping Method is recommended for inside corners that are not square or plumb.

Ensure substrate is suitably prepared prior to installation and all corner substrates are free from damage and have an adequate solid bonding surface to adhere to.

Damaged or uneven corners must be repaired prior to corner installations.

### MITER-SAW MITERING METHOD

When using a miter-saw to cut sculptured wall base, be sure to use a finishing blade with a minimum of 60 teeth.

Ensure miter saw has a high enough fence and a long enough table to support material as it is being cut. Prior to cutting wall base, 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 an undercut angle. When cutting material, be sure to move material slowly enough to provide a clean cut but fast enough to avoid burning or deforming the material.

Pre-fit both pieces of the outside corner together and ensure a tight fit and make any minor adjustments as needed. After 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 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 corner to substrate.

### D-CUT MITERING 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 90°, 45° or Square Cuts will need to be done with a miter saw. Set D-Cut blade to a 45° angle and adjust 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. Pre-fit both pieces of the outside corner together to ensure a tight fit and make any minor adjustments as needed. After 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 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 corner to substrate.

### COPING METHOD

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 45° angle exposing the back side of the material using a Miter-Saw or a D-Cut cutter. This will 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. Be sure to 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.

Make final adjustments as necessary and 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 corner to substrate.

## 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 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 installation instructions and technical data.***

## 10. PAINTING PROCEDURES

Base Sculptures 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 on all Base Sculptures 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.**