

Health Design Base Installation

COMPANY INFORMATION

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INSTALLATION

1. General Preparation and Conditioning

Read all literature concerning the product description, product limitations, wall surface inspection, adhesive information, adhesive application, product installation procedures and warranty before installation. Deliver all materials to the installation location in its original packaging with labels intact. Maintain the installation area, wall base, and adhesive(s) between 65° F (19°C) and 85°F (30°C) for at least 48 hours before installation, during installation and thereafter. Proceed with the installation only when the conditions are proper and correct. Perform a bond test at least 72 hours prior to the scheduled installation to ensure the surface is suitable. There should be extreme difficulty in removing the wall base from the wall and floor surface. If the back of the wall base becomes soiled prior to installation, clean with a soft cloth dampened with a mild soap and water solution then rinse and let dry. Flexco recommends the installation of all flooring and Health Design Base and Corners take place after all other finishing operations, including painting to prevent damage.

2. Wall Surface/ Sub-floor/Substrate Inspection and Preparation

Inspect all surfaces prior to installation. Use only on structurally sound interior wall surfaces such as dry plaster, cured drywall, exterior grade plywood (Group 1, CC type), concrete and masonry that is clean, smooth, dry and structurally sound. The surfaces must be free of moisture, dust, sealers, paint, curing compounds, parting agents, residual adhesives, adhesive removers, hardeners, resinous compounds, solvents, wax, oil, grease, asphalt, gypsum compounds, alkaline salts, excessive carbonation or laitance, mold, mildew or any other extraneous coatings, films or materials that could prevent a successful bond. Refer to flooring manufacturers recommendations for proper substrate preparation. **DO NOT** install wall base on outside walls in contact with the ground if moisture or alkali is present. This product is for indoor use only. **DO NOT** install wall base or corners on any surface that will be exposed to moisture or extreme temperature changes. **DO NOT** install over non-porous surfaces such as vinyl or rubber wall coverings, laminated masonite, plastic laminates, FRP Panels, ceramic tile, marble, non-porous paints, freshly painted surfaces or over existing alcohol resin adhesives. If installing over a vinyl wall covering, cut and remove the wall covering 1/4" (6.35mm) below the top and expose the substrate completely. Any rough or uneven surfaces may telegraph through the wall base. **DO NOT** use sweeping compounds, solvents, citrus adhesive removers or acid etching to clean the substrate. **DO NOT** install wall base over gypsum-based or plaster based leveling or patching compounds. **DO NOT** install wall base over old floor covering, as the old floor covering may not be adequately bonded, hide possible structural defects or cause plasticizer migration into the wall base. **Warning:** When removing old wall base or adhesives, you must presume the materials may contain hazardous materials, unless positive identification proves otherwise. Follow the recommended practices for the proper removal and disposal of the materials. Follow the recommended practices for the proper removal and disposal of the materials.

3. Adhesive Information

3.1 Flexco 106 Wall Base Adhesive

Flexco 106 Wall Base Adhesive is a solvent free, water-based, nonflammable, high performance acrylic adhesive for installations on porous wall surfaces. This adhesive contains antimicrobial protection that protects the dried, applied adhesive from mold, mildew and bacteria that cause odors and product degradation. Adhesive is available in 1-gallon

and 4-gallon plastic pails and 30 fluid ounce cartridges. Label information is available in English and Spanish. Shelf life is one year when stored at 70° F (21° C) in an unopened container. Spread rates for the Health Design Base and Corners when using a 1/8" saw-tooth spreader is approximately 200 linear feet per gallon. Spread rates for cartridges when using single bead application or 5-hole nozzles with a 1/8" saw-tooth spreader or disposable spreader nozzles 50 linear feet. Coverage will vary according to the type of surface, surface texture, spreading angle and nozzle diameter. Adhesive is freeze/thaw stable down to 0° F (-17.7° C); however, Flexco recommends protecting all adhesive products from freezing. If frozen, **DO NOT** stir until material has completely thawed. Remove Wet adhesive from material, surrounding area, tools and/or hands with warm soapy water. Remove dry adhesive soft cloth dampened with mineral spirits, **DO NOT** allow the mineral spirits to penetrate the seam as this may destroy the adhesive bond. Read all the product and safety information concerning the adhesive, mineral spirits, and cleaning agents prior to installation. Follow the manufacturer's recommendations with regard to use and disposal. A Material Safety Data Sheet (MSDS) should be available during the storage of and during the use of the adhesive.

Flexco 106 Wall Base Adhesive is Green Label Plus certified by the Carpet & Rug Institute, VOC's 33 g/L.

3.2 Flexco 16/86 Multi-Performance Tile and Tread Adhesive

Flexco® 16/86 Multi-Performance Tile and Tread Adhesive is a solvent free, high strength, acrylic adhesive for indoor installations over porous and some non-porous substrates on grade, below grade, or above grade. This adhesive contains antimicrobial protection that protects the dried/applied adhesive from mold, mildew, and bacteria that cause odors and product degradation. Use of this adhesive is limited to casual foot traffic, in areas where there are no lateral shear stresses or rolling loads, in areas where the temperature is maintained between 65° F (19°C) and 85°F (30°C), and not subjected to moisture. Adhesive is available in 1-gallon and 4-gallon plastic pails. Label information is available in English and Spanish. Shelf life is one year when stored at 70° F (21° C) in an unopened container. Spread rates using a 1/16" x 1/16" x 1/16" flat "V" notch trowel is approximately 130 square feet on a smooth porous substrate, coverage using a 1/16" x 1/32" x 1/16" U notch trowel is approximately 150square feet on a smooth non-porous substrate. Coverage will vary according to the type of surface, surface texture, spreading angle, and adhesive temperature. Adhesive is freeze/thaw stable down to 0° F (-17.7° C); however, Flexco recommends protecting all adhesive products from freezing. If frozen, **DO NOT** stir until material has completely thawed. Remove Wet adhesive from material, surrounding area, tools and/or hands with warm soapy water. Remove dry adhesive soft cloth dampened with mineral spirits, **DO NOT** allow the mineral spirits to penetrate the seam as this may destroy the adhesive bond. Read all the product and safety information concerning the adhesive, mineral spirits, and cleaning agents prior to installation. Follow the manufacturer's recommendations with regard to use and disposal. A Material Safety Data Sheet (MSDS) should be available during the storage of and during the use of the adhesive.

Flexco 16/86 Multi-Performance Tile and Tread Adhesive is Green Label Plus certified by the Carpet & Rug Institute. Calculated VOC's according to California rule #1168 is 0 grams per liter of coating.

3.3 Flexco 77 Solvent Free Epoxy Flooring Adhesive

Flexco 77 Solvent Free Epoxy Flooring Adhesive is a solvent free, non-flammable, high performance epoxy adhesive for indoor installations over porous and non-porous substrates on grade, below grade, or above grade. Flexco 77 Epoxy Adhesive performs when subjecting installations to lateral shear stresses and/or heavy rolling loads, moisture, areas not maintained within the specified temperature range and on metal and some other non-porous substrates. When used on non-porous substrates, the adhesive must be allowed to "tack up", but not allowed to cure. Adhesive is available in 1-quart and 1-gallon 2-part units. Label information is available in English and Spanish. Shelf life is one year when stored at 70° F (21° C) in an unopened container. Spread rates using the 1/16" x 1/16" x 1/16" flat "V" notch trowel is approximately 130 square feet and spread coverage using the 1/16" x 1/32" x 1/16" U notch trowel is approximately 150 square feet on a smooth substrate. Coverage will vary according to the type of surface, surface texture, spreading angle, and adhesive temperature. Although the epoxy components are non-freezing, allow adhesive to stabilize to ambient temperature before mixing. Remove wet adhesive from material, surrounding area, tools and/or hands immediately with a clean cloth dampened with warm soapy water or denatured alcohol. **DO NOT** allow adhesive to cure on the surface of the material, surrounding area, tools and/or hands. A bond failure will occur if the epoxy is not properly mixed. Read all the product and safety information concerning the adhesive, mineral spirits, and cleaning agents prior to installation. Follow the manufacturer's recommendations with regard to use and disposal. A Material Safety Data Sheet (MSDS) should be available during the storage of and during the use of the adhesive.

Flexco 77 Solvent Free Epoxy Adhesive is Green Label Plus certified by the Carpet & Rug Institute. Part A VOC's .13 g/L, Part B VOC's 2.4 g/L; 1.21 g/L when mixed.

4. Product Installation

Prior to application of any adhesive, determine the proper layout for the Health Design Base and Corners. Dry fit product and check for any manufacturing defects. Fit the field sections of the Health Design Base, ensuring square cuts on each end. Cut the Health Design Base to ensure a snug fit against the Corners, **DO NOT** allow the field section to buckle. Determine the gauge of the flooring that will meet Health Design Base toe. The underside of the Health Design Base and Corners contain faint scribe lines at 1/8" (3.175 mm) and 0.100" (2.54 mm), the edge of the toe 0.080" (2.03 mm). These lines are nominal gauge indicators only, proper trim position should be determined with the installed flooring materials. Trim the Health Design Base toe and corners from the top side of the toe with a straight edge. Dry fit Health Design Base and Corners to determine coverage area for flooring, mark the substrate for reference. Install the flooring while not allowing the flooring to extend past 1/2" beyond the reference marks. After installation of the flooring, use the reference marks to trim the flooring with a straight edge to allow for installation of the wall base, make sure not to undercut the flooring while trimming. Beginning with the corners, spread recommended adhesive evenly on the back of the corner or wall surface. Place corner into position and hand roll corners to ensure good adhesive transfer, Flexco recommends 90% coverage with adhesive. Repeat this process with the field sections of the Health Design Base. **Caution**, ensure adequate bond exists at the top edge of the Health Design Base and Corners, this is critical for efficient welding later. Failure to do this will result in material pulling away from surface when welding. Ensure adhesive does not ooze from top edge, as this will lead to unsightly installations. Allow 24 hours for the adhesive to dry before grooving Health Design Base seams and the perimeter of the flooring. Use a TURBO® Cove Groover or other similar tool to prepare the Health Design Base and Corner seams to receive the welding rod. Use a TURBO® Hand Groover or similar tool to prepare the Health Design Base and flooring seams to receive the welding rod. When grooving the seams, the depth of the groove should be 2/3rds the thickness of the flooring and wall base. Use scrap pieces of Health Design Base and flooring to determine proper grooving depths and temperatures for heat welding equipment prior to welding the Health Design Base and floor. Medium to medium-high temperatures are a good place to begin. If heat gun has a separate blower setting, a medium setting is preferred; adjust as needed to ensure adequate bond during welding. Weld all vertical Health Design Base and Corner seams first followed by the floor seams. Two pass skiving is required to trim the welded seams. For the first skive pass, the use of a trim plate is recommended. It is not possible to use the trim plate in the cove portion, so use caution when performing first trim. Flexco recommends the application of 3M Blue Tape (painters tape) within 1/8" on both sides of all welded seams prior to skiving. **Caution: failure to do this can cause permanent damage to wall base and corners by the skiving process.** Perform the first skive when the bead is warm using a trim plate. Perform the second and final trim after the bead has cooled completely. "Glazing" the trimmed surface of the Health Design Base, Corners and welding rods after trimming may smooth out any imperfections and provide gloss to dulled areas.