

# Product Data

## Section 9 Resilient Flooring Health Design Base

### 1. PRODUCT NAME

Health Design Base with Preformed Inside and Outside Corners

### 2. COMPANY INFORMATION

Flexco Corporation

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Sweet's Catalog: 09650/FLE; Buyline 0254; [www.sweets.com](http://www.sweets.com)

### 3. PRODCUT DESCRIPTION

#### 3.1 Basic Application and Construction

The development of the Flexco Health Design Base with Preformed Inside and Outside Corners specifically targeted increased productivity and the reduction of typical installation issues with traditional flash coving. The homogeneous thermoplastic formulation is easy to work with and very flexible. This not only makes installations fast and economical, but helps to conceal floor and wall irregularities while providing a tough finish to resist scuffing and gouging. The surface texture is an appealing unique matte finish to ensure an attractive transition between coverings. Health Design Base vertical wall section is 1/8 inch (3.175 mm) in gauge, while the horizontal floor section tapers in gauge with faint scribe lines to allow installation of material with either 1/8 inch (3.175 mm), 0.100 inch (2.54 mm) or 0.080 inch (2.03 mm) flooring material. Although designed for use with Flexco Vinyl Flooring products, use with other heat weldable resilient vinyl tile and vinyl sheet flooring is an option. Achieve a seamless application allowing ease of cleaning while aiding in the prevention of bacterial growth by using vinyl based welding rods recommended by the flooring manufacturer. Flexco Health Design Base with Preformed Inside and Outside Corners color selection, allow for coordination across multiple product lines and styles while creating endless design options.

#### 3.2 Product Types

Style: Butt-to (Style C).

Vertical (Wall) Gauge: 1/8" (3.175 mm) nominal

Vertical (Wall) Height: 6" (15.24 cm) nominal

Horizontal (Floor) Gauge: Tapers from 1/8 inch (3.175 mm) to 0.080 inch (2.03 mm) with a scribe line at 1/8 inch (3.175 mm) and 0.100 inch (2.54 mm) nominal

Horizontal (Floor) Width: 3" (7.62 cm) nominal

Length: 72" sections (1.83 m) nominal

Packaging: 36 linear feet (10.97 m) per carton

Packaging Weight: Approximately 40 lbs (18.14 kg)

Colors: Currently available in 13 colors, contact Flexco Customer Service for the latest color selection and custom color availability

#### 3.3 Corners

Style: Butt-to (Style C)

Return: 6" (15.24 cm) nominal

Vertical (Wall) Gauge: 1/8" (3.175 mm) nominal

Vertical (Wall) Height: 6" (15.24 cm) nominal

Horizontal (Floor) Gauge: Tapers from 1/8 inch (3.175 mm) to 0.080 inch (2.03 mm) with a scribe line at 1/8 inch (3.175 mm) and 0.100 inch (2.54 mm) nominal

Horizontal (Floor) Width: 3" (7.62 cm) nominal

Packaging: 4 Pieces per Carton

Packaging Weight: Approximately 10 lbs (4.54 kg)

Colors: Currently available in 13 colors, contact Flexco Customer Service for the latest color selection and custom color availability

#### 4. TECHNICAL DATA

**ASTM F 1861** - Type TP, Group 1, Style C

**ASTM E 648 (NFPA 253)** - Critical Radiant Flux: Class 1, > 1.0 W/cm<sup>2</sup>

**ASTM E 662 (NFPA 258)** - Specific Optical Density of Smoke Generated by Solid Materials: Passes

**ASTM E 84 (NFPA 255)** - Surface Building Characteristics of Building Materials: Class C

**NFPA 101 Life Safety Code** - Wall Base: Interior floor trim material used at the junction of the wall and the floor to provide a functional or decorative border, and not exceeding 6 in. (150 mm) in height shall meet the requirements for the interior wall finish for its location or the requirements for Class II interior floor finish as described (CFR > .22 W/cm<sup>2</sup> / < .45 W/cm<sup>2</sup>) using ASTM E 648. If Class I floor finish is required (CFR > .45 W/cm<sup>2</sup>), the interior floor trim shall be Class I.

**ASTM F 925** - Resistance to Chemicals: Passes

**ASTM D 570** - Water Absorption of Plastics: < 0.15%

**ASTM F 1515** - Light Stability: Excellent

#### 5. PRODUCT LIMITATIONS

Flexco adhesives (106 Wall Base, 16/86 Multi-Performance or 77 Solvent Free Epoxy) are required for installation of Health Design Base with Preformed Inside and Outside Corners. Material is for indoor use only. Material may stain if allowed to remain in contact with products that may contain staining ingredients such as tires, casters and walk-off mats. Fading can occur from extensive exposure to heavy direct sunlight, glass-filtered sunlight or unfiltered ultra-violet rays. Ensure any disinfectant, cleaning agent, dye, floor care product, pesticide or other chemical (solid, liquid or gas) that may contact Health Design Base and Corners will not produce permanent discoloration and/or damage. Contact with direct heat, such as radiators, hot ovens or other heated equipment can cause damage to the Health Design Base and Corners. Make color selections from actual samples as exact matching of color or shade may vary. It is the Flooring Installer's direct responsibility to inspect the Health Design Base and Corners in the room or area prior to installation to determine the proper layout and best overall appearance. Flexco recommends the inspection of all materials prior to installation; report discovery of manufacturing imperfections or irregularities to the appropriate contact before continuing installation.

#### 6. INSTALLATION

##### 6.1 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.

##### 6.2 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.

### 6.3 Adhesive Information

#### 6.3.1 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.

#### 6.3.2 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.

### 6.3.3 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.

### 6.4 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.

## **7. PRODUCT MAINTENANCE**

Some disinfectants, cleaning agents, floor maintenance products and pesticides may stain or damage the surface of the wall base. Clean the wall base with a soft cloth dampened with a neutral pH cleaner and warm water solution. Rinse sparingly with water. If applying finish to flooring, take necessary precautions to keep finish from the Health Design Base and Corners. If applying finish to Health Design Base and Corners, test inconspicuous area first for compatibility.

## **8. TECHNICAL SERVICES**

### **8.1 Technical Assistance**

Obtain Technical Service information and assistance by calling Flexco Customer Service or by visiting [www.flexcofloors.com](http://www.flexcofloors.com)

### **8.2 Samples**

Obtain samples by calling Flexco Customer Service or by visiting [www.flexcofloors.com](http://www.flexcofloors.com)

## **9. AVAILABILITY AND COST**

Products are available through Flexco distributors. Contact Flexco Customer Service or visit [www.flexcofloors.com](http://www.flexcofloors.com) for a list of distributors

## **10. LIMITED WARRANTY**

Flexco Corporation manufactures and markets its flooring products under the trade name Flexco®. The warranty period for the Health Design Base and Corners is two (2) years from date of installation to be free of defects in material and workmanship. Installation, Maintenance and use must be in accordance with Flexco’s written instructions with recommended Flexco adhesive(s). Provide notice of any defects in writing to Flexco® within thirty days after discovery of the defect. Return no merchandise to Flexco’s without prior inspection and written approval. Upon knowledge of alleged defect, Flexco reserves the right to inspect the manner and quality of the installation. Flexco reserves the right to assume no liability for labor costs in the installation of its alleged defective products. The buyer’s sole and exclusive remedy against Flexco and Dealer for claims arising hereunder for any losses and damages resulting from any cause shall be receipt of, at Flexco’s option, either replacement of the defective merchandise, or a refund of the sale price of the defective merchandise. In no event shall Flexco be liable for incidental, consequential, enhanced or punitive damages, even if some other provision of this Limited Warranty is unenforceable. Buyer must provide proof of purchase and date of purchase and installation. Buyer waives all other claims and remedies of any nature against Flexco, whether statutory, based in common law or equity, and including, but not limited to, direct, indirect, special, enhanced, punitive, incidental and consequential damages. Flexco shall have no liability whatsoever to Buyer in the event the goods become defective if such defect is caused in whole or part by cuts, tears, vandalism, fire, willful destruction, spiked footwear, improper use, improper installation, improper maintenance, accident or acts of God. Adherence to Flexco Health Design Base Product Data information concerning Product Limitations, Installation and Maintenance is essential for this Limited Warranty to be valid. Product Data information may be obtained from a Flexco distributor, Flexco Customer Service or by writing Flexco, Attention: Technical Services, 1401 East 6<sup>th</sup> Street, Tusculumbia, Alabama, 35674. The sale of products designated as “seconds”, “mill run”, “nonconforming” or not being of first quality, are sold as is and Flexco makes no warranties whatsoever expressed or implied. These warranties are expressly in lieu of any other warranties expressed or implied, including, but not limited to any implied warranty of merchantability, exact matching of color, shade, or mottling, or warranties for fitness for a particular purpose. By retaining Flexco merchandise for more than five (5) days after receipt of such merchandise, Buyer agrees that it accepts the terms of this Limited Warranty and that there are no warranties or rights beyond those contained herein.