EZEdge™ Transitions
MasterFormat CSI Division Category # 10 74 49

Specification Sheet (2025)

Part 1 General

1.1 System Description

These specifications are selected and dimensioned to provide the transition piece from existing flooring or changes to the substratum (Ramps modify existing changes in vertical rises). EZ Edge™ Transition Ramps can be applied surfaces including but not limited to concrete, tile, VCT, marble, wood, asphalt, natural and synthetic fibers and painted surfaces.

1.2 Quality Assurance

A. Supplier Qualifications

1. Supplier of this Ramp product shall be SafePath Products™ by Van Duerr Industries, Inc., 21 Valley Court, Chico, CA 95973, PH# (530) 893-1596, (800) 497-2003, Fax (530) 893-1560, www.SafePathProducts.com or a registered supplier of Van Duerr Industries, Inc. or SafePath™ Products.

Installer or Contractor Qualifications

1. Installations will be performed by skilled tradesman experienced and trained in the flooring modifications and alterations.

1.3 Reference Standards

A. Manufacturer provides each ramp in accordance with the model descriptions and specifications established herein. All ramps shall be installed in accordance with all governing agencies with jurisdiction and in accordance with the Americans with Disabilities Act (ADA, 1990) and local and state access codes.

EZEdge™ Transition Ramp products shall be in compliance with the ADA and Accessibility Guidelines (ADAAG) Sections 4.2.5 (Changes in Level) and 4.8.2 (Slope & Rise) of the Federal Register, 28 CFR, Part 36 and ANSI Standard A117.1. (1992), CABO and California Title 24, unless otherwise specified by the customer. All SafePath Ramps and Reducers shall NOT exceed 7.5% maximum slope requirement(exception MREZ 2190-2195 & MRED 21900, which has shims affixed to the bottom of the transition).

All EZ Edge™ Ramp products shall have side and back bevel cuts via a CNC cutting system. This process shall provide each side and back of the product with a back-bevel of 8 degrees or 14.05% or less. This beveling is essential for butting to existing vertical substrates and connecting products in a contiguous manner for vertical runs.

1.4 Performance

A. EZEdge™ Transition Ramp products meet or exceed the following tests:

ASTM D 412 Tensile Elasticity 630psi
ASTM D395-82 Comp. Test 7.84%
ASTM D 2240 Hardness 65 (Shore A)
ASTM C 1026-84H20 Absorb. .75%
Density 1.01 grams/cm³

1) EZEdge™ Transition Ramp products have no load weight limitations when properly installed according to manufacturer instructions.

B. EZEdge™ Transition Ramps exceeded all recognized standards utilizing three test methodologies for Static Coefficient of Friction (SCOF), Fixed-Angle Ramp-Walking, and Surface Roughness.

1) Static Coefficient of Friction (SCOF)

ASTM C 1028-96 (Dry- 0.95)
ASTM C 1028-96 (Wet- 0.79)

Static Coefficient of Friction values of 0.60 or higher are considered adequate for level floors in normal pedestrian traffic in commercial areas. Sliders used in testing were of Neolite synthetic rubber. Other materials used for SCOF included:

ASTM C 1028-96 Dry Leather (0.79)
ASTM C 1028-96 Wet -4 S rubber (0.82)
ASTM C 1028-96 Wet TRL rubber (0.95)
ASTM F609 Rubber 0.80

2) Fixed Angle Walking

Utilizing two test subjects, one male and one female, facing a down slope and an up slope at a flooring angle of 27 degrees with wet running water. Angle of degree corresponded to a SCOF of 0.50. Under normal walking conditions a SCOF of 0.40 (22 degrees) is a widely accepted minimum for walking tests of flooring for level surfaces. Testing angle appreciably exceeds the minimum safety criterion.

a. bare foot
b. Red Wing Iris athletic shoes
c. Converse 2D 1292 tennis shoes
d. Naturalizer 78ON73 wedge sandals

3) Surface Roughness – surface total-mean peak-to-valley

roughness, Rtm or RZ, measured by a Surtronic 10 profilometer was 25. Water-wet surface is low when the roughness exceeds 20 microns.

1.5 Delivery, Storage and Handling

A. Store products in accordance with the manufacturer's instructions, with labels intact. EZEdge™ Transition Ramps shall be kept dry and away from sources of heat. Store on flat level surfaces.

1.6 Project Conditions

A. Review installation procedures and coordinate EZEdge™ Transition Wheelchair Ramp installation with other work.

B. Do not install on frozen materials or materials mixed or coated with ice or frost.

C. Surface must be dry and clean and free from dirt, oil, frost and all other foreign materials and have a minimum surface temperature of 35°F (3°C)

Part 2 Products

2.1 Manufacturer

A. EZEdge™ Transition Ramp products shall be manufactured by SafePath™ Products by Van Duerr Industries, Inc., 21 Valley Court, Chico, CA 95973, PH# (530) 893-1596, (800) 497-2003, Fax (530) 893-1560, www.SafePathProducts.com

2.2 Materials

A. EZEdge™ Transition Ramp material shall be made from 100% reclaimed 10- 20- 30 mesh minus crumb rubber with urethane binders by compression molding and have a maximum hardness (Shore A) of 65 and comply with Americans with Disabilities Act (1990) ADAAG 4.2.5.

B. Changes in level and ADAAG 4.8.2 Slope and Rise, UFAS Unit 4, Thresholds and ANSI Standards 117.1 (1986). All Ramps and Reducers with the exception if the 2190 shall have a 3/16" (6.35mm) front radius maintaining a slope of less than 7.5% to the top of the Ramp.

C. Ramp surfaces for models in 1150 through 2395 series shall have molded slip resistant traction pads 2" (50.8mm) by 3 3/8" (85.725mm) with 1/8" (3.175mm) depressed channel.

B. **Cutting Process**: All EZ Edge™ Ramp products shall have side and back bevel cutting via a CNC cutting system. This process shall provide each side and back of the product with a back-bevel of 8 degrees or 14.05% or less. This beveling is essential for butting to existing vertical substrates and connecting products in a contiguous manner for vertical runs.

D. Ramps shall come in standard heights of single or multi piece construction in accordance with the model description and specifications established herein.

WARNING: NEVER USE CONSTRUCTION ADHESIVE i.e. LIQUID NAILS™ OR OTHER SIMILAR NON-APPROVED COMPOUNDS TO FASTEN RAMPS

E. Securing ramp product to typical substratum. One-part non-corrosive silicon adhesive sealant shall be one of the following products: For all surfaces except Asphalt.

1) SIKAFLEX 1A – One part Polyurethane, Elastomeric sealing/adhesive. Meeting Federal specifications TT-S-00230C, Type II, Class A. Meets c-920, Type S, Grade NS, use T, NT, O, M, G, I; Canadian standard CAN/CGSB 19.13-M87.

2) SU 5007 RTV SILICONE ADHESIVE SEALANT. A supplied Silicones Unlimited Inc. located at 4577 Blakedale Circle, Roswell, GA 30075, PH# (770) 643-1880, or supplied by their authorized distributors. Silicone adhesive shall have Tensile Strength ASTM D-412 150 psi. UV Resistant, Curing time @ 77°F and 50% Relative Humidity (1/8" thickness) of 24 hour. Hardness (Shore A) 28. Tack-Free time @ 77°F and 50% Relative Humidity, 20-30 minutes, and temperature range -80°F (62°C) to 400°F (205°C) or one part DOW CORNING 995 SILICONE STRUCTURAL ADHESIVE. Supplied by Dow Corning Corporation, Midland, MI 48686, PH# (517) 496-6000 or one of their authorized suppliers. Silicone adhesive shall have Tensile Strength ASTM D-412 350 psi. UV Resistant, Curing time

@ 77°F and 50% Relative Humidity (1/8" thickness) of 24 hour. Hardness (Shore A) 28. Tack-Free time @ 77°F and 50% Relative Humidity, 1.5 hours. Adhesive temperature range -65°F (-54°C) to 350°F (-65°C).

F. Securing ramp product to substratum made of Asphalt or petroleum based material. One-part non-corrosive silicon adhesive sealant shall be one of the following products: For all Asphalt surfaces.

1) Sikasil-728 SL is a self-leveling, one-component, ultra low modulus, elastomeric, neutral cure silicone seal-ant. Meets the requirements of ASTM D-5893; ASTM C-920, Type S, Grade P, Class 100/50; Use T, M, G, A, O with an ultra low Shore Hardness; TT-S-00230C, Type I, Class A; TT-S-001543A, Class A.
2) Store in unopened containers at temperatures at or below 90°F (32°C). Colors Limestone and Charcoal Gray. Uncured Properties at 77°F (25°C), 50% R.H.
3) Cure Time (MNA) Method 1/16" /24 hours. Skin over time (MNA) Method 60 mins. Tack Free Time (ASTM C-679)115 mins. VOC content 2.27% by wt., 29 g/L, 0.24 lbs/gal. Service temperature - 80° to 350°F (-62.2° to 176.6°C). Peel Strength (ASTM C-794) 25 pli. Tensile Strength (ASTM D-412) 100 psi (0.69 MPa)

2.3 Coating Materials

SafePath™ Products' ERC Color Coating™) coating system:
This invention requires an application of a base adhesive base coat (Aromatic Polyurethane) Part A mixed at unequal amounts with A Part B (Polyol) then applied using a roller or spray machine. At a precise time during this operation of application the top colorant coat is applied using a roller or spray machine using a water-based colorized aliphatic polyurethane.

SafePath™ Products' ERC (Elegant Rubber Coating™ coating system:

1. Coating system is a two-component, rapid-curing, hand-applied, non-solvent no VOC protective color coating that is delivered ready to use. The two-part coating process is performed by the manufacturer SafePath Products™. All coating materials used are all ZERO VOC utilizing Waterborne

Polyurethane Dispersion and two-part base coat as the binder.

2. ERC (Elegant Rubber Coating™) is a patent pending formula that has expansive elongation of over 25%.

3. Abrasion wheel testing. These specimens were abrasion tested according to section 8.6 in ASTM Fl344 "Standard Specification for Rubber Floor Tile" (referencing ASTM D338 9). No SCOF rating has been performed on the ERC products, however a non-slip additive may be added upon request to provide a greater SCOF rating for the ERC product line.

4. Taber Testing: Instrument: Accessories: TABER® Rotary Platform Abrasion Tester-Model 5150 Wheel Refacer -Model 350. Abrasive Wheel: Load: H-18 500 grams per wheel

Vacuum Nozzle Gap: Vacuum 3mm Suction 100%. Date Tested: September 9, 2021
Test Conditions: 75°F, 53% RH Conditioned for >24 hours 75°F, 53% RH Conditioned for >24 hours

Conclusion: When analyzing color coating material loss measured in grams according to ASTM Fl 344, the material meets the specification. It specifies a maximum material loss must not exceed 1 gram after 1000 cycles. This material shows an average of only 0.176 grams of mass loss.

Part 3 Execution

Ramps shall be installed in accordance with manufacturer's instructions using ONLY recommended non-corrosive silicone adhesive sealants or mechanical fasteners.

3.1 Preparation

A. Surfaces must be dry, clean, and free from dirt, oil, frost, and all other foreign materials, and have a minimum surface temperature of 35°F (3°C). EZEdge™ Transition Ramps can be applied over expansion joints up to ½" (12mm) in width. In accordance with manufacturer's guidelines, fill holes and cracks greater than ½" (12mm) in depth. Remove all bumps and foreign surfaces. Abrade highly polished and waxed surfaces.

B. Field verify all dimensions for vertical heights and path widths. Cut and modify ramps to meet specific installation requirements. Ramp's underside may be beveled, planed, or ground to accommodate minor inconsistencies in existing level surfaces.
C. Fit Ramp for size and application and then apply adhesive using heavy-duty hand or air dispensing gun and spread evenly with a notched trowel on the underside of ramp. Wait 5 minutes but no more than 15 minutes before applying ramp to substratum. Adhesive cures in 24 hours; foot traffic is permitted after 4 hours.

Warranty

SafePath™ Products and Van Duerr Industries, Inc. warrants that EZEdge™ Transition Ramp products will be free of any defect of material or workmanship for a period of (10) ten years from date of purchase. Coated surfaces are warranted against fading and peeling, and delaminating in interior applications for (1) one year from the date of purchase.

Ordering

Select the proper size to accommodate the vertical height and width. For answers to your technical questions, call (530) 893-1596 or (800) 497-2003, or visit us at www.SafePathProducts.com. For a quote or product application for your project, contact quote@safepathproducts.com
You can also visit our design center at: www.safepathproducts.com/designs/ or call your local authorized distributor listed on our web site. For current distributor listings and locations, visit our website. Product numbers and dimensions are also found at www.SafePathProducts.com.

Notes:

This specification sheet is intended to assist you in preparing a precise specification. You may reproduce it in full or part. Specifications and dimensions are subject to state and local building code changes. SafePath Products utilizes an advanced rubber coating process that provides for engineering finished products for precision finish and superior tolerances for all completed projects, understanding the expansion and contraction of recycled rubber in freeze thaw environments. All non-coated rubber products precision cut for strict tolerances that exceed typical compression molded rubber products. For additional technical code compliance information for your jurisdiction, contact **Van Duerr Industries, Inc. dba SafePath™ Products** at (530) 893-1596 or (800) 497-2003, by fax at (530) 893-1560 or by email at info@SafePathProducts.com

Architectural Binders

Architectural digital binders, complete with product specifications and indexed flip-books for all products manufactured by SafePath™ Products and Van Duerr Industries, Inc., are available upon request.