

EZ Edge™ Ramp System Specification Sheet

Part 1 General

.1 System Description

These specifications are for the EZ Edge™ Ramp products selected and dimensioned to provide the transition piece from existing thresholds or changes to the substratum. (Ramps modify existing changes in vertical rises) EZ Edge™ Ramps can be applied to concrete, tile, marble, wood, natural and synthetic fibers and painted surfaces.

.2 Quality Assurance

A. Supplier Qualifications

1. Supplier of this Reducer Product shall be SafePath™ Products by Van Duerr Industries Inc., 311 Otterson Dr. #10, Chico, Ca. 95928, PH# (530) 893-1596, (800) 497-2003, Fax (530) 893-1560, www.safepathproducts.com or a registered supplier of Van Duerr Industries' 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. EZ Edge™ Ramp Products shall be in compliance with the Americans with Disabilities Act (1990) 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 specified otherwise by the customer.

1.4 Performance

A. EZ Edge™ 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) EZ Edge Ramp™ Products have no load weight limitations when properly installed according to manufacturer instructions.

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

1) Static Coefficient of Friction (SOCF)
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 (SOCF) 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 Ramp Walking.
Utilizing two tests personnel one male and one female facing down slope and up slope at flooring angle of 27 degrees with wet running water. Angle of degree corresponded to a SOCF of 0.50. Under normal walking conditions a SOCF 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. EZ Edge™ Ramp(s) 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 EZ Edge™ 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

.1 Manufacturer

A. CourtEdge Reducer Products shall be manufactured by SafePath™ Products by Van Duerr Industries Inc., 311 Otterson Dr. # 10, Chico, CA. 95928, Ph# (530) 893-1596, (800) 497-2003, Fax (530) 893-1560,

.2 Materials

A. EZ Edge™ Ramp material shall be made from 100% reclaimed 20 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).

B. Changes in level landing and ADAAG 4.8.2 Slope and Rise, UFAS Unit 4, Thresholds and ANSI Standards 117.1 (1986). Ramps shall have a 3/16" (6.35mm) front radius maintaining a 1:12 slope to the top of the ramp. Ramps shall

have maximum 22° beveled side slope with 3.00" radius front corner.

- C. Ramp surfaces for models 0110, no distinctive pattern and 1110 series shall have molded slip resistant traction pads 2½" (63.5mm) by 4-3/8" (111.125mm) with 1/8" (3.175mm) drainage spacing.
- D. Ramp surfaces for models in 1510 series shall have molded slip resistant traction pads 2½" (63.5mm) by 5" (127.125mm) with 1/8" (3.175mm) drainage spacing.
- E. Ramp surfaces for models in 2150 series shall have molded slip resistant traction pads 3-1/8" (79.37mm) by 6" (152.400mm) with 1/8" (3.175mm) drainage spacing.
- F. Ramp shall come in standard heights of single or multiple piece construction in accordance with the model description and specifications established herein. Custom and multi lengths available.
- G. Adhesive: **(WARNING: NEVER USE CONSTRUCTION ADHESIVE i.e. LIQUID NAILS™ OR OTHER SIMILAR NON-APPROVED COMPOUNDS TO FASTEN RAMPS)**
- H. Securing Ramp Product to substratum. One part non-corrosive silicon adhesive sealant shall be one of the following products: one part
- I. SU 5007 RTV SILICONE ADHESIVE SEALANT. A supplied Silicones Unlimited Inc. located at 4577 Blakedale Circle, Roswell, GA, 30075. Tele 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. Tele (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).

- J. SIKAFLEX1a. Elastic adhesive/sealant supplied by Sika Corporation Madison Heights, MI 48071. Tele (248) 577-0200. Sikaflex is a 1-component, fast-curing, fast-skinning polyurethane based elastomeric adhesive/sealant. It is a moisture-cured, non-sag system. Sikaflex-227 provides a permanently elastic bond to fasten materials that have dissimilar coefficients of expansion. Meets ASTM C920 type S, Grade NS, class 12.5, Federal specification TT-S-00230C, Type II, Class A. Sikaflex-227 is manufactured in accordance with ISO 9001/14001 quality assurance system and the responsible care program.

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). EZ Edge™ 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 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 warrants that the EZ Edge™ Ramp Products will be free of any defect of material or workmanship for a period of 10 years from date of purchase. See separate warranty for Durable Coating Products from Van Duerr Industries. No implied or express warranty of any kind for any SafePath™ Product unless installed performed by a company authorized and trained installer certified Van Duerr Industries, Inc.

Ordering

Select proper ramp size to accommodate the vertical height and width. For answers to your technical questions call (800) 497-2003, for a quote or product application for your project, or call your local authorized distributor, for current distributor listings and locations visit our web site at info@safepathproducts.com.

Note:

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. For additional technical code compliance information in your jurisdiction contact **Van Duerr Industries** dba SafePath™ Products at (800) 497-2003 or (530) 893-1596, by Fax at (530) 893-1560 or by e-mail at info@safepathproducts.com.

Architectural Binders

Architectural CD's complete with product specifications for all products manufactured by SafePath™ Products are available upon request.

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