

EntryLevel and RampEnd Landings Specification Sheet

Part 1 General

.1 System Description

- A. Applicable portions of bidding requirements, contract forms, conditions of the contract and Division 1 General Requirements are part of this section.
- B. Work Includes:
 - 1. Transition materials, ramps or other products specifically intended to meet ADA accessibility requirements for barrier free building access
 - 2. Pre-fabricated level landings required for ADA accessibility
 - 3. Provision and installation of products listed above
- C. Related work in other sections:
 - 1. Concrete walks and landings
 - 2. Entrance doors and hardware
 - 3. Flooring transitions

.2 Quality Assurance

- A. Manufacturer to provide proof of compliance with published standards as set forth in ADAAG (Americans with Disabilities Act Accessibility Guidelines) section 4, State of California 2001 Building Code, Title 24, or other local code authority having jurisdiction.
- B. Acceptable Manufacturers:
 - 1. SafePath Products by Van Duerr Industries, Inc. Sales Office: 311 Otterson Drive; Suite 10, Chico, CA 95928 Tel (800) 497-2003 Fax (530) 893-1560
 - 2. Approved manufacturer meeting the performance criteria of this section. Refer to Division 1 for approval process.
- C. Manufacturer to provide proof of adequate product performance in similar installations for a period of at least one year. Written documentation to be provided at the request of architect or building owner

- D. Installation to be performed using products proven to provide adequate stability, adhesion and long life for the extremes in temperature and moisture encountered at the building location
- E. Installation to be performed by a factory authorized representative if so requested by the architect
- F. Performance of all products and surface coatings to be provided and tested shown to be unaffected by UV exposure

.3 Submittals

- A. Provide shop drawings for products requiring custom fabrication. Shop drawings to include dimensions, slopes, base material and other details required to ensure a satisfactory installation
- B. Provide samples of manufacturer's standard surface finishes and visual warning coatings for color selection if requested by architect

.4 Storage and Handling

- A. Adequately store and protect all products prior to installation at jobsite
- B. After installation, provide adequate protection to ensure all products are in new condition at time of building occupancy

.5 Warranty

- A. SafePath Products by Van Duerr Industries, Inc. warrants that the RampEnd Landing will be free of any defect of material or workmanship for a period of 10 years from date of purchase. No implied or express warranty of any kind for any SafePath Product by Van Duerr Industries, Inc. products unless installation performed by a company authorized certified installer.
- B. Provide manufacturer's standard 10 year warranty certificate if requested

Part 2 Products

.1 Base Material

- A. Ramps, threshold transitions and level landing ramps to be formed exclusively from reclaimed 10-20 mesh minus crumb rubber
- B. Binder to be urethane for exterior application
- C. Products to be compression molded to required shape
- D. Maximum hardness of material to be 65 (Shore A measurement)
- E. Material to be monolithic composition allowing for field trimming without destroying the surface appearance (not applicable if color coating option is selected)
- F. Material to comply with ADAAG 4.2.5 (1990)
- G. All coatings to be applied by manufacturer using specialized two part polyurethane coating process
- H. Provide color coatings as selected by architect for visual warning or other desired applications

.2 Construction

- A. Ramps, level landings and transitions to be formed to meet requirements of:
 - 1. ADAAG 4.8.2 Slope and Rise
 - 2. UFAS Unit 4, Thresholds
 - 3. ANSI Standards 117.1 (1986)
- B. Ramps, level landings and transitions to have a 3/16" front radius and maintain no greater than a 1:12 slope as shown in drawings and referenced in ADAAG standards
- C. Ramps, level landings and transitions to have a 22.5 degree beveled side slope and 3" radius from corner
- D. All ramped surfaces to have molded in slip resistant traction pads with 1/8" drainage spacing to ensure adequate water removal in extreme weather conditions
- E. Ramps, level landings and transitions may be formed of

multiple pieces where required and connected at the jobsite during installation

F. Use only factory approved adhesives to connect performed ramp sections

G. Surface of ramps to meet or exceed published standards for the following:

1. Static Coefficient of friction (ASTM C1028-96) for both wet and dry test as follows:
 - a. Ramp surfaces – ADA standard of .8
 - b. Path of travel surfaces – ADA standard of .6
 - c. Fixed angle ramp walking – minimum of .5 (using at least four different foot surface conditions)
2. Surface Roughness:
 - a. Standard of 25 microns mean peak to valley, Rtm or RZ (Surtronic 10 profilometer)

H. Special coatings or material not integral to the base material may be used to achieve the performance requirements of this section provided they are tested and shown to be impervious to erosion, wear and loss of adhesion for the period covered under warranty

Part 3 Execution

3.1 Manufacturer Instructions

- A. Comply with the instructions and recommendations of the ramps, level landings and transitions threshold manufacturer
- B. Specifier Note: Specify actions to physically determine that conditions are acceptable to receive primary products of the section.

3.2 Examination

- A. Site verification of conditions:
 1. Verify that site conditions are acceptable for installation of ramps, level landings and transitions
 2. Examine entrance substrate, doors and thresholds for compliance with requirements for ramps, level landings and transitions manufacturer's installation tolerances
 3. Do not proceed with installation of ramps, level landings and transitions until unacceptable conditions are corrected

Specifier Notes: Specify actions required to physically prepare the surface, are of site or to incorporate the primary products of the section. Coordinate article below with manufacturer's installation requirements

3.3 Surface Preparation

- A. Surfaces must be dry, clean and free from dirt, oil, frost and all other foreign materials
- B. Minimum surface temperature at time of installation to be 35 degrees F (2 degrees C)
- C. Fill all holes and cracks having any dimension over 1/2" with suitable fill

3.1 Manufacturer

Instructions Remove any protrusions or bumps by grinding surface to same plane as surrounding area

- D. Abrade any highly polished or waxed surfaces to ensure proper bonding

3.4 Verify Proper Fit

- A. Verify dimensions of product an site conditions to ensure compliance with shop drawings
- B. Dry-fit ramp, level landing or transition to ensure proper alignment
- C. Cut, plane or otherwise modify ramp if necessary to attain acceptable alignment and operation

3.5 Apply Adhesive

- A. Use only manufacturer's approved adhesives suitable for substrate, site conditions and material to be installed
- B. Approved adhesive products:
 1. Silicones Unlimited SU 5007 RTV
 2. Dow Corning 995 Silicone Structural Adhesive
 3. Sikaflex-227 elastic adhesive/sealant supplied by Sika Corporation Madison Heights, MI 48071. Tel (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.
- C. Follow adhesive manufacturer's instructions for application, wait time, product placement and cure time

3.6 Install Ramp or Landing

- A. Position ramp or level landing carefully leaving no gaps or voids
- B. Trim away any material interfering with proper alignment or performance of the ramp or level landing
- C. Protect area using barriers or warning signs to ensure adequate curing time prior to exposure to traffic
- D. Protect ramp surfaces as required to avoid damage during construction
- E. Remove all protective material at time of building occupancy

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: www.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, Inc. dba SafePath Products at (800) 497-2003 or (530) 893-1596, via Fax (530) 893-1560 or via email at info@safepathproducts.com.

Architectural Binders

Architectural CD's complete with product specifications for all products are available upon request.

Van Duerr Industries, Inc. dba

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