



## Specification Sheet (2020)

### Part 1 General

#### 1.1 System Description

These specifications are for the BigHorn™ Transition 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). BigHorn™ Transition Ramps can be applied to surfaces including but not limited to concrete, tile, VCT, marble, wood, natural and synthetic fibers and painted surfaces.

#### 1.2 Quality Assurance

A. Supplier Qualifications  
1. Supplier of this transition 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](http://www.SafePathProducts.com) or a registered supplier of Van Duerr Industries, Inc., or SafePath™ Products.

#### Installer or Contractor Qualifications

Installations can be performed by non-skilled tradesman. No substantial experience or training in the flooring modifications field necessary.

#### 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). BigHorn™ Transition Ramp products shall be in compliance with the Americans with Disabilities Act and Building Blocks Sections 303 (Changes in Level) and 405 (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. BigHorn™ Transition Ramp products meet or exceed the following tests:  
ASTM D 2240 Hardness 70(Shore A)  
ASTM C 1026-84H20 Absorb .05%  
1) BigHorn™ Transition Ramp products have specific load weight limitations exceeding 4000 lbs per sq. inch when properly installed according to manufacturer instructions.  
B. BigHorn™ Transition Ramps exceeded all recognized standards utilizing three test methodologies for Static Coefficient of Friction (SCOF), Fixed-Angle Ramp-Walking, and Surface Roughness. Static Coefficient of Friction (SCOF) ASTM C 1028-96 (Dry-0.10) ASTM C 1028-96 (Wet-0.95) Static Coefficient of Friction values of 0.60 or higher are considered adequate for level floors in normal pedestrian traffic in commercial areas.

#### 1.5 Delivery, Storage and Handling

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

#### 1.6 Project Conditions

A. Review installation procedures and coordinate BigHorn™ Transitions 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. BigHorn™ Transition Ramp products shall be manufactured by SafePath™ Products by VanDuerr Industries Inc., 21 Valley Court, Chico, CA. 95973, Ph# (530)893-1596, (800) 497-2003, Fax (530) 893-1560.  
Website:  
[www.SafePathProducts.com](http://www.SafePathProducts.com),  
Email: [info@SafePathProducts.com](mailto:info@SafePathProducts.com).

#### 2.2 Materials

A. BigHorn™ Transition Ramp material shall be made from 100% reclaimed recycled plastic utilizing cross linked plastics by compression molding, without any binders or added adhesives for this process. BigHorn™ Transition Ramps have a maximum hardness (Shore A) of 70 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 1/4" (6.35mm) front radius maintaining a slope less than 8.33% to the top of the ramp. Ramps shall have maximum 22° beveled side slope with 3.00" radius front corner.  
C. BigHorn™ Transition Ramp surfaces shall have molded slip resistant traction pads 2½" (63.5mm) by 4-3/8" (111.125mm) with 1/8" (3.175mm) depressed spacing.  
D. Ramps 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 (linear footage) also available.

**E. Adhesive: (WARNING: NEVER USE ONSTRUCTION ADHESIVE i.e. LIQUIDNAILS™ OR OTHER SIMILAR NON-APPROVED COMPOUNDS TO FASTEN RAMPS)**

F. Securing Ramp Product to substratum. One part noncorrosive silicon adhesive sealant or peel and stick high grade butyl adhesive tape shall be one of the following products: one part G.SIKA 1a. 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.

H. Butyl tape shall be included with each ramp product to provide for the minimum of installation. Tacky Tape@SM5227 is 100% solids, asbestos-free butyl tape sealant that is a highly rubbery, tacky, reinforced compound designed for sealing metal lap joints in the metal building industry. It is easy to apply and compress during installation. It exhibits excellent application and performance characteristics over a wide temperature range and will not become brittle, crack or flow during service. (See MSDS TTSM5227)

**2.3 Coating Materials**

SafePath™ Products' StoneCap™ coating system:

1. StoneCap™ coating is a two-component, rapid-curing, hand-applied, non-solvent protective coat that can be trafficked within 4 hours of application at 68°F.
2. StoneCap™ is broadcast to rejection with the chosen dry skid resistant aggregate as approved by the manufacturer. This material is broadcast by manufacturer and applied to provide for even surface and 100% coverage of substrate material. Typically the DFT of the traffic coat including aggregate shall be 80 mils.
3. The StoneCap™ topcoat is a one-component, rapid-curing, clear, non-solvent polyurethane sealer which can be trafficked in 4 hours at 68°F.
4. StoneCap™ coating is applied by the manufacturer and completely cured prior to shipment of product.

**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). BigHorn™ 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 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. When applying Butyl Tape foot traffic is permitted after 4 hours.

**Warranty**

SafePath™ Products warrants that BigHorn™ Transition Ramp Products substrate will be free of any defect of material or workmanship for a period of (10) ten years from date of purchase. The warranty for the StoneCap™ surface using applied quartz with aliphatic UV protected surface treatments is warranted for 1 year after the date of purchase from Van Duerr Industries, Inc., dba SafePath™ Products. No implied or express warranty of any kind for any SafePath™ Products unless installation performed by a company authorized and certified by 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 [www.SafePathProducts.com](http://www.SafePathProducts.com).



**BigHorn™ Transition Ramp with StoneCap™ Coating**  
MasterFormat CSI Division Category # 10 74 49

**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, by Fax at (530) 893-1560 or by e-mail at [info@SafePathProducts.com](mailto:info@SafePathProducts.com).

Architectural Binders, complete with product specifications for all products manufactured by SafePath™ Products are available upon request. **SafePath™ Products & Van Duerr Industries, Inc. © 2018 Series (R-BHN .vr. 14)**