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Board of Professional Engineers
And Land Surveyors*

*Approved by the City of Los Angeles
for testing slip resistance of flooring*

Ramp ADA Compliance Testing Results

Client: DK Enterprises

Page 1 of 1

Date tested: 5/17/16

Test no.: 1610-1921

Report date: 1/4/17

Ramps tested: 7

Guidelines for this study were provided by the Department of Justice's revised regulations for Titles II and III of the Americans with Disabilities Act of 1990 (ADA), published in the Federal Register on September 15, 2010. These regulations adopted revised, enforceable accessibility standards called the **2010 ADA Standards for Accessible Design**, "2010 Standards." On March 15, 2012, compliance with the 2010 Standards was required for new construction and alterations under Titles II and III. March 15, 2012, is also the compliance date for using the 2010 Standards for program accessibility and barrier removal.

The 2010 Standards set minimum requirements – both scoping and technical – for newly designed and constructed or altered State and local government facilities, public accommodations, and commercial facilities to be readily accessible to and usable by individuals with disabilities.

Specific to these regulations, the following sections were utilized for this ramp study:

303 Changes in Level

303.1 General. Where changes in level are permitted in floor or ground surfaces, they shall comply with 303.

EXCEPTIONS: 1. Animal containment areas shall not be required to comply with 303.

2. Areas of sport activity shall not be required to comply with 303.

303.2 Vertical. Changes in level of $\frac{1}{4}$ inch (6.4 mm) high maximum shall be permitted to be vertical.



Figure 303.2
Vertical Change in Level

Figure 303.2 Vertical Change in Level

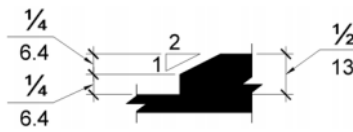


Figure 303.3
Beveled Change in Level

Figure 303.3 Beveled.

303.3 Beveled. Changes in level between ¼ inch (6.4 mm) high minimum and ½ inch (13 mm) high maximum shall be beveled with a slope not steeper than 1:2.

303.4 Ramps. Changes in level greater than ½ inch (13 mm) high shall be ramped, and shall comply with 405 or 406.

And from 405 Ramps:

405.1 General. Ramps on accessible routes shall comply with 405.

EXCEPTION: In assembly areas, aisle ramps adjacent to seating and not serving elements required to be on an accessible route shall not be required to comply with 405.



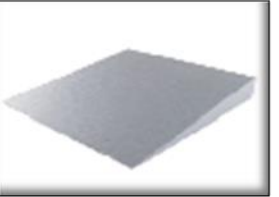
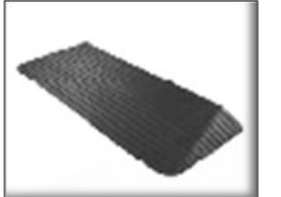
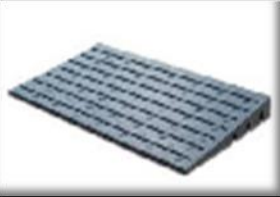
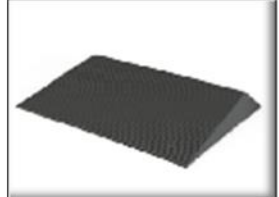
405.2 Slope. Ramp runs shall have a running slope not steeper than 1:12.

EXCEPTION: In existing sites, buildings, and facilities, ramps shall be permitted to have running slopes steeper than 1:12 complying with Table 405.2 where such slopes are necessary due to space limitations.

RAMP STUDY RESULTS								
	Ramp Manufacturer/Model	Ramp Height	303.2 Vertical Change in Level PASS/FAIL	Ramps Side Slope/Grade	405 Slope/Grade of Ramp PASS/FAIL		Product Observation	Overall Ramp Rating for ADA Compliance
1	SAFEPATH PRODUCTS 45-3/4" L X 17-3/4" W X 1-1/2" H <i>MRAEZ 1310</i>	1-1/2"	PASS	21.2%	7.0%	PASS	ADA Compliant	PASS
2	PRIDE MOBILITY PRODUCTS 40-3/4" L x 17-1/2" W x 1-1/2" H <i>Rubber Threshold</i>	1-1/2"	PASS	59.0%	7.1%	PASS	ADA Compliant comes in multiple pieces	PASS
3	DISCOUNT RAMPS 35-3/4" L x 8-7/8" W x 1-5/8" H <i>Silver Spring THFS-15 Foam</i>	1-5/8"	FAIL	100% No side approach	14.5%	FAIL	Front edge too steep and slope too steep	FAIL
4	DISCOUNT RAMPS 43" L x 12-1/2" W x 1-1/2" H <i>Silver Spring DH-TR-15</i>	1-1/2"	PASS	35.5%	11.0%	FAIL	Slope too steep	FAIL
5	DISCOUNT RAMPS 42" L x 24" W x 2-5/8" H <i>Silver Spring Rubber DH-UP-8</i>	2-5/8"	FAIL	100% No side approach	8.5%	FAIL	Front edge too steep and slope too steep	FAIL
6	PEMKO 41" L x 11-3/4" W x 1-1/4" H <i>RR1.25FMR</i>	1-1/4"	PASS	40.5%	8.9%	FAIL	Slope too steep	FAIL
7	EZ ACCESS 39.5" L x 13-7/8" W x 1-1/2" H <i>TAEM1.5</i>	1-1/2"	PASS	76.9%	8.5%	FAIL	Slope too steep	FAIL

*The tolerance for the digital level used in this testing is +/- 0.2°

*This test report shall not be reproduced, except in full,
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#1 SafePath Products	#2 Pride Mobility	#3 Discount Ramps	#4 Discount Ramps
			
#5 Discount Ramps	#6 Pemko	#7 EZ Access	
			

Respectfully submitted,
SOTTER ENGINEERING CORPORATION



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