

Golden Trowel® Award World Records

as of June 2020

Green are World Records

Hockey or Dance Ice Rinks	Size	Contractor	Proj Name	FF	FL	Sum	Notes
Copperhead Ice Rink over Styro 2013	10.6 ksf	Birdwell	Hargest Ice Rink	98.2	83.6	181.8	2013 WR FF, WR FL, WR Total
Speed Skating Ice Rinks	Size	Contractor	Proj Name	FF	FL	Sum	Notes
Truss screed over Styro 2019	68 ksf	Shimizu Corp GT Asia	Hachinohe Nagane Skating Are	74.9	81.6	156.5	2019 WR FL, WR Total
Speed Skating Rink (hollow oval) Japan 6 Truss screeds aligned with lasers 4X larger than normal ice rink Used laser scan to cut high spots							
Drag Strip	Size	Contractor	Proj Name	FF	FL	Sum	Notes
Drag Strip Laser 2 lanes 20' x 1438' 2018	58 ksf	American Concrete Constr.	Virginia Motorsports Park	142.3	135.8	278.1	2018 WR FF, WR FL, WR Total
<i>Drag Strips are measured only in longitudinal wheelpaths</i>							
Fmin Narrow Strip, Large	Size	Contractor	Proj Name	F _{min} L Levelness	F _{min} L Flatness	F _{min} T Levelness	F _{min} T Flatness
Fmin Laser Lg Narrow 6@15' & 8@30' w 2015	172 ksf	Ace/Avant	Gildan	132.4	152.5	122.8	133.6
						Average F _{min}	Notes
						135.3	2015 WR Total
Fmin Narrow Strip, Small	Size	Contractor	Proj Name	F _{min} L Levelness	F _{min} L Flatness	F _{min} T Levelness	F _{min} T Flatness
Fmin Small Narrow Strip with Dry Shake & Steel Fibers 2019	7 aisles	Shanghai Wellrock	Harbin Medisan	250.7	306.0	180.9	244.0
Fmin Small Narrow Strip & Fibers 2017	18 aisles	Christman Constructors, Inc.	Pfizer B541 Whse Expansn	145.7	172.1	146.4	222.3
Fmin Small Narrow Strip 2017	23 aisles	Eldridge Concrete	Lodge DC	191.1	161.9	146.4	163.8
						Average F _{min}	Notes
						245.38	2019 WR FminLL, Fmin LF, Total
						171.60	2017 WR FminLF, Total
						165.78	2017 WR Fmin LF
Fmin Narrow Strip, Small	Size	Contractor	Proj Name	F _{min} L Levelness	F _{min} L Flatness	F _{min} T Levelness	F _{min} T Flatness
Fmin Small Narrow Strip 2009	33 ksf	Keystone Concrete	Spring School Nutrition	218.0		192.0	Fmin>>
Fmin very small Narrow Strip 2013	16.5 ksf	Birdwell	NexLube	127.5		198.1	Fmin>>
						Average F _{min}	Notes
After 2013, all Fmin projects have been measured digitally, allowing the measurement and reporting of all four Fmin Numbers.						205.2	2009 WR Fmin LL
						162.8	2013 WR Fmin TL

Category	Size	Contractor	Proj Name	FF	FL	Sum	Notes
Laser Screed V Large, V Wide (108 ft wide) with dry shake 2018	1,226,709 sf	Prosistemas SA (Spain)	Nave de Telas – A Laracha	98.7	95.2	193.9	2018 WR FL, WR Total
Laser Screed V Large, V wide (100-211 ft wide) 2008	1,219,388 sf	D&K (WR)	Perris Ridge	110.4	81.8	192.2	2008 WR FF, WR Total
Laser Screed V Large, V Wide (98 ft wide) 2014	575 ksf	Prosistemas SA (Spain)	Home Furn Log Ctr	83.5	93.7	177.2	2014 WR FL
Laser Screed V Large, V Wide (160 ft wide) 2007	699 ksf	D&K	Interchange Bsness Ctr	87.1	65.9	153.0	2007 WR Total
Category	Size	Contractor	Proj Name	FF	FL	Sum	Notes
Laser Screed Large, 77 ft Wide With Steel Fibers 2019	104 ksf	S&C Services (Australia)	Fisher & Pykle	165.5	116.9	282.4	2019 WR FF, WR FL, WR Total
Laser Screed Large, 79 ft wide 2017	106 ksf	Tuss Concrete (Australia)	Bunnings Cannington	111.9	91.1	203.1	2017 WR FL, WR Total
Laser Screed Large, Wide (>40 ft) 2012	113 ksf	Rogers Concrete	Masters Ellenbrook	101.0	91.0	192.0	2012 WR FL
Laser Screed Large, Wide (72-74 ft) 2016	110 ksf	Fernandes Engenharia	GM Orla Sul	122.5	66.6	189.1	2016 WR FF
Laser Screed Large, 73 ft Wide 2015	167 ksf	Fernandes Engenharia	TRX Piracicaba	110.5	70.3	180.8	2015 WR FF
<i>Measured months after the floor was created.</i>							
Category	Size	Contractor	Proj Name	FF	FL	Sum	Notes
Laser Screed Small, Wide (>40 ft) 2014	83 ksf	Tuss Concrete Australia	Masters Bayswater	160.6	121.2	281.8	2014 WR FF, Total
Laser Screed Small, Wide (>40 ft) 2014	51 ksf	AlphaPiso/Trima Brazil	Qualifier	139.1	126.0	265.1	2014 WR FL
Laser Screed Small, Wide (>40 ft) 2012	22 ksf	Birdwell	Rigby	123.0	123.0	246.0	2012 WR FL, WR Total
Laser Screed Small, Wide (>40 ft) 2009	23 ksf	Ace/Avant	Progrss Enrgy Brnswick	130.3	100.4	230.7	2009 WR Total
Category	Size	Contractor	Proj Name	FF	FL	Sum	Notes
Laser Screed Small, Narrow (~34 ft) 2015	57 ksf	Alphapiso	Plasmodia	107.7	124.7	232.3	2009 WR Total
Laser Screed Topping over Elev Structural Slab	Size	Contractor	Proj Name	FF	FL	Sum	Notes
Laser Screed Topping over Elev Structural Slab 2016	73 ksf	Prosistemas SA (Spain)	Tavil Indebe SAU	91.7	91.1	182.8	2016 WR FL
Category	Size	Contractor	Proj Name	FF	FL	Sum	Notes
Laser Screed Small, Wide (>40 ft, Floating Slab) 2009	32 ksf	Bess Australia (WR)	Channel 7 Studios	113.6	89.3	202.9	2009 WR Total
Category	Size	Contractor	Proj Name	FF	FL	Sum	Notes
Narrow Strip (Small) 2011	89 ksf	GNP Construtora	CD Eurofarma	183.6	100.1	283.7	2011 WR FF, WR Total
Narrow Strip (Large) 2014	112 ksf	Grupo Zorzin	Tramontina PRO	155.1	125.0	280.1	2014 WR FL, WR Total
Narrow Strip (Small) 2009	37 ksf	GNP Construtora	Liotechnica Whs	121.9	103.9	225.8	2009 WR Total

