

The Kaivac Challenge

ISSA 2010 Test Results

Summary

Kaivac Average Removal:	98.60%	
Challenger Average Removal:	56.67%	31.01 times more soil left behind

Test Details

Round 1

11/10/2010 11:09:47 AM
 Microfiber Pad A KaiO Multipurpose Cleaner
 Kaivac

	Kaivac		Challenger	
	Before	After	Before	After
Tile 1	459	17	282	408
Tile 2	410	20	370	460
Tile 3	787	10	477	288
Tile 4	1114	6	467	63
Average	692.5	13.25	399	304.75
Total Removal		98.09%		23.62%
		1.91		76.38

39.92 times more soil left behind

Round 2

11/10/2010 11:52:43 AM
 Microfiber Pad B KaiO Multipurpose Cleaner
 Kaivac

	Kaivac		Challenger	
	Before	After	Before	After
Tile 1	1129	5	645	820
Tile 2	979	12	1919	1301
Tile 3	1929	8	1576	436
Tile 4	753	7	798	350
Average	1197.5	8	1234.5	726.75
Total Removal		99.33%		41.13%

88.12 times more soil left behind

Round 3

11/10/2010 2:11:22 PM
 Microfiber Pad A KaiO Multipurpose Cleaner
 Kaivac

	Kaivac		Challenger	
	Before	After	Before	After
Tile 1	1538	9	1072	220
Tile 2	1034	4	1743	262
Tile 3	3213	5	1623	268
Tile 4	2566	219	1878	242
Average	2087.75	59.25	1579	248
Total Removal		97.16%		84.29%

5.53 times more soil left behind

Round 4

11/10/2010 3:26:25 PM
 Microfiber Pad B KaiO Multipurpose Cleaner
 Kaivac

	Kaivac		Challenger	
	Before	After	Before	After
Tile 1	181	13	117	549
Tile 2	279	3	168	65
Tile 3	1093	65	775	607
Tile 4	1347	44	1272	966
Average	725	31.25	583	546.75
Total Removal		95.69%		6.22%

21.76 times more soil left behind

Round 5

11/10/2010 4:09:36 PM
 Microfiber Pad C KaiO Multipurpose Cleaner
 Kaivac

	Kaivac		Challenger	
	Before	After	Before	After
Tile 1	863	5	786	307
Tile 2	858	9	923	177
Tile 3	673	6	1085	135
Tile 4	1033	8	1054	283
Average	856.75	7	962	225.5
Total Removal		99.18%		76.56%

28.69 times more soil left behind

Round 6

11/10/2010 4:38:42 PM
 Microfiber Pad A KaiO Multipurpose Cleaner
 Kaivac

	Kaivac		Challenger	
	Before	After	Before	After
Tile 1	711	2	643	268

Tile 2	676	5	285	452
Tile 3	1091	31	863	346
Tile 4	711	10	898	489
Average	797.25	12	672.25	388.75
Total Removal		98.49%		42.17%

38.42 times more soil left behind

Round 7 11/11/2010 10:33:50 AM
 Microfiber Pad A KaiO Multipurpose Cleaner
 Kaivac

	Before	After	Challenger Before	Challenger After
Tile 1	215	17	400	146
Tile 2	715	17	756	143
Tile 3	1559	9	445	271
Tile 4	476	6	600	189
Average	741.25	12.25	550.25	187.25
Total Removal		98.35%		65.97%

20.59 times more soil left behind

Round 8 11/11/2010 11:10:36 AM
 Microfiber Pad B KaiO Multipurpose Cleaner
 Kaivac

	Before	After	Challenger Before	Challenger After
Tile 1	1146	10	1153	772
Tile 2	1621	27	1128	664
Tile 3	861	3	1095	656
Tile 4	1785	7	1613	417
Average	1353.25	11.75	1247	627
Total Removal		99.13%		49.72%

57.91 times more soil left behind

Round 9 11/11/2010 12:15:12 PM
 Microfiber Pad C KaiO Multipurpose Cleaner
 Kaivac

	Before	After	Challenger Before	Challenger After
Tile 1	1341	9	1181	184
Tile 2	1326	10	1141	166
Tile 3	587	7	678	257
Tile 4	661	5	1262	222
Average	978.75	7.75	1065.5	207.25
Total Removal		99.21%		80.55%

24.56 times more soil left behind

Round 10 11/11/2010 1:58:23 PM
 Microfiber Mop Pad A KaiO Multipurpose Cleaner
 Kaivac

	Before	After	Challenger Before	Challenger After
Tile 1	1618	14	1268	623
Tile 2	2070	12	1771	220
Tile 3	2113	4	1224	539
Tile 4	1735	4	1444	268
Average	1884	8.5	1426	412
Total Removal		99.55%		71.11%

64.04 times more soil left behind

Round 11 11/11/2010 2:37:48 PM
 Microfiber Pad B KaiO Multipurpose Cleaner
 Kaivac

	Before	After	Challenger Before	Challenger After
Tile 1	2434	12	443	104
Tile 2	1690	8	534	27
Tile 3	2251	22	573	159
Tile 4	2002	14	1000	361
Average	2094.25	14	637.5	162.75
Total Removal		99.33%		74.47%

38.19 times more soil left behind

Round 12 11/11/2010 3:56:09 PM
 Microfiber Pad B KaiO Multipurpose Cleaner
 Kaivac

	Before	After	Challenger Before	Challenger After
Tile 1	1353	9	1961	643
Tile 2	1969	5	2219	450
Tile 3	745	1	1277	749
Tile 4	1589	1	1614	687
Average	1414	4	1767.75	632.25
Total Removal		99.72%		64.23%

126.43 times more soil left behind