Crimson Sky

500-2036

Crimson Sky

Design Number: 500-2036 - Bill Of Material

Ref. No.	Part No.	Description	Quantity
	Posts		
1	ZZPM0397GZ	5in OD X 286in STEEL POST W/ RIVETED CAP	14
	Decks & Kick Plates		
2	ZZPM0617	TRIANGULAR COATED DECK ASSEMBLY	2
3	ZZPM0618	1/2 HEX COATED DECK ASSEMBLY	7
4	ZZUN2290	COATED DECK TO DECK CONNECTION KIT	8
	ADA Items		
5	ZZPM2027	TRANSFER STATION (48in DECK)	1
6	ZZUN2019	APPROACH STEP FOR TRANSFER STATION	1
	Slides		
7	ZZPM3126	GLIDE SLIDE (48in DECK)	1
8	ZZUN3007	30in ROUND STRAIGHT TUBE SECTION	1
9	ZZUN3008	30in ROUND LEFT TUBE SECTION	6
	SkyTower Slides		
10	ZZPM3004	CONTAINED TUBE SLIDE ENTRY/ EXIT	1
11	ZZUN3475	CTR POST & SUPPORT ARMS FOR 9ft SPIRAL TUBE SLIDE	1
	Activity Panels		
12	ZZPM4290	STEERING WHEEL (POST MOUNT)	1
13	ZZPM4351	DISCO SPINNER	1
14	ZZPM4406	ACCESSIBLE DRIVING PANEL	1
15	ZZPM4648	POST MOUNT SCAVENGER HUNT	1
16	ZZPM4671	PM PANEL FRAME- DECK LEVEL	1
17	ZZUN4674	HYPONOTIZE INSERT	1
18	ZZUN4676	FOUR-THE-WIN INSERT	1
19	ZZUN4678	SLIDE & SOLVE INSERT	1
20	ZZUN4679	MAGICAL MUSIC INSERT	1
	Barriers		
21	ZZPM4090	CENTERLINE PIPE WALL BARRIER	1
22	ZZPM4288	ACCESS GATE	1
	SkyTower Barriers		
23	ZZPM4372	CONTAINMENT KALEIDOBARRIER FOR 60in DECK SPAN- RIGHT	1
24	ZZPM4383	HEX KALEIDO FILLER PANEL	8
25	ZZPM4384	HEX KALEIDO DOUBLE BARRIER	2
26	ZZPM4385	HEX KALEIDO TRIPLE BARRIER	2
27	ZZPM4405	STANDARD CONTAINMENT ACTIVITY BARRIER 60in TALL	3
28	ZZUN6729	CONTAINMENT LEVEL FILLER BRACKET	4
	Climbers		
29	ZZPM6996	GEO VERTICAL CLIMBER (48in DK)	1
30	ZZPM7006	GEO ARCH CLIMBER (48in DK)	1
31	ZZPM7218	48in ROPE ASCENSION	1
32	ZZPM7940	UPPER SILO CLIMBER	1
33	ZZUN6840	MODPODS QUAD- VERTICAL	1
	SkyTower Climbers		

Crimson Sky

Design Number: 500-2036 - Bill Of Material

Ref. No.	Part No.	Description	Quantity
34	ZZPM6730	KALEIDOCLIMBER	2
	SkyTower Bridges		
35	ZZPM6380	KALEIDOCROSSING	2
	Audible Activities		
36	ZZPM4409	ACCESSIBLE BELL PANEL	1
37	ZZPM4557	8in BELL (POST MOUNT)	1
38	ZZPM4559	10in BELL (POST MOUNT)	1
	Roofs & Arches		
39	ZZPM4451	KINETIC TOPPER- STRAIGHT CLAMPS	6
40	ZZPM9720	HEX TOWER CONTAINMENT ROOF	2
	Additional Tool & Maintenance Kits		
41	ZZUN1471	INSTALLER HARDWARE KIT	1
42	ZZUN9910	SURFACING WARNING LABEL KIT	1
43	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1
44	ZZXXGNGUID	GENERAL INSTALLERS GUIDE	1

Crimson Sky

Design Number: 500-2036 - Compliance and Technical Data
Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Post-Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
1	ZZPM0397GZ	14	5in OD X 286in STEEL POST W/ RIVETED CAP	N/A	2,289.00		137	0	14.00	2.52	0
2	ZZPM0617	2	TRIANGULAR COATED DECK ASSEMBLY	Certified	92.80		339	4	2.00	0.00	0
3	ZZPM0618	7	1/2 HEX COATED DECK ASSEMBLY	Certified	782.74		2,473	35	10.50	0.00	0
4	ZZUN2290	8	COATED DECK TO DECK CONNECTION KIT	Certified	2.32		30	0	4.00	0.00	0
5	ZZPM2027	1	TRANSFER STATION (48in DECK)	Certified	287.44		567	3	2.00	0.09	0
6	ZZUN2019	1	APPROACH STEP FOR TRANSFER STATION	Certified	35.83		72	1	1.00	0.04	0
7	ZZPM3126	1	GLIDE SLIDE (48in DECK)	Certified	131.54		517	2	1.50	0.03	1
8	ZZUN3007	1	30in ROUND STRAIGHT TUBE SECTION	Certified	26.02		181	0	0.25	0.00	0
9	ZZUN3008	6	30in ROUND LEFT TUBE SECTION	Certified	156.12		1,087	0	1.50	0.00	0
10	ZZPM3004	1	CONTAINED TUBE SLIDE ENTRY/ EXIT	N/A	188.50		TBD	2	0.00	0.00	1
11	ZZUN3475	1	CTR POST & SUPPORT ARMS FOR 9ft SPIRAL TUBE SLIDE	N/A			349				
12	ZZPM4290	1	STEERING WHEEL (POST MOUNT)	Certified	8.67		47	1	0.25	0.00	1
13	ZZPM4351	1	DISCO SPINNER	Certified	16.00		TBD	1	0.50	0.00	1
14	ZZPM4406	1	ACCESSIBLE DRIVING PANEL	Certified	31.59		237	1	0.50	0.00	1
15	ZZPM4648	1	POST MOUNT SCAVENGER HUNT	Certified	17.30		271	3	2.00	0.00	1
16	ZZPM4671	1	PM PANEL FRAME- DECK LEVEL	Certified	46.46		205	0	1.00	0.00	0
17	ZZUN4674	1	HYPONOTIZE INSERT	Certified	14.95		288	2	0.25	0.00	1
18	ZZUN4676	1	FOUR-THE-WIN INSERT	Certified	15.08		278	2	0.25	0.00	1
19	ZZUN4678	1	SLIDE & SOLVE INSERT	Certified	17.61		761	2	0.25	0.00	1
20	ZZUN4679	1	MAGICAL MUSIC INSERT	Certified	23.11		941	2	0.25	0.00	1
21	ZZPM4090	1	CENTERLINE PIPE WALL BARRIER	Certified	37.22		95	0	0.50	0.00	0
22	ZZPM4288	1	ACCESS GATE	Certified	34.38		92	0	0.50	0.00	0
23	ZZPM4372	1	CONTAINMENT KALEIDOBARRIER FOR 60in DECK SPAN- RIGHT	N/A	64.80		TBD	0	1.00	0.00	0
24	ZZPM4383	8	HEX KALEIDO FILLER PANEL	N/A	335.20		TBD	0	12.00	0.00	0
25	ZZPM4384	2	HEX KALEIDO DOUBLE BARRIER	N/A	217.00		TBD	0	3.00	0.00	0
26	ZZPM4385	2	HEX KALEIDO TRIPLE BARRIER	N/A	240.60		TBD	0	4.00	0.00	0

Crimson Sky

Design Number: 500-2036 - Compliance and Technical Data
Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	Post-Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
27	ZZPM4405	3	STANDARD CONTAINMENT ACTIVITY BARRIER 60in TALL	N/A				TBD				
28	ZZUN6729	4	CONTAINMENT LEVEL FILLER BRACKET	N/A	48.40			TBD	0	2.00	0.00	0
29	ZZPM6996	1	GEO VERTICAL CLIMBER (48in DK)	Certified	80.13			256	1	1.00	0.00	1
30	ZZPM7006	1	GEO ARCH CLIMBER (48in DK)	Certified	72.67			190	1	2.00	0.06	1
31	ZZPM7218	1	48in ROPE ASCENSION	Certified	97.46			453	1	3.00	0.18	1
32	ZZPM7940	1	UPPER SILO CLIMBER	Certified	163.48			321	1	2.00	0.00	1
33	ZZUN6840	1	MODPODS QUAD- VERTICAL	Certified	324.09			416	4	3.00	0.39	1
34	ZZPM6730	2	KALEIDOCLIMBER	N/A	819.80			TBD	4	4.00	0.00	2
35	ZZPM6380	2	KALEIDOCROSSING	N/A	833.00			TBD	6	4.00	0.00	2
36	ZZPM4409	1	ACCESSIBLE BELL PANEL	Certified	32.28			275	1	0.50	0.00	1
37	ZZPM4557	1	8in BELL (POST MOUNT)	Certified	5.47			45	1	0.25	0.00	1
38	ZZPM4559	1	10in BELL (POST MOUNT)	Certified	7.19			50	1	0.25	0.00	1
39	ZZPM4451	6	KINETIC TOPPER- STRAIGHT CLAMPS	N/A	317.40			TBD	0	18.00	0.00	0
40	ZZPM9720	2	HEX TOWER CONTAINMENT ROOF	N/A				TBD				
41	ZZUN1471	1	INSTALLER HARDWARE KIT	N/A				57				
42	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05			1	0	0.25	0.00	0
43	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A				90				
44	ZZXXGNGUIDE	1	GENERAL INSTALLERS GUIDE	N/A				1				
			Totals:		7,913.70	796	1,625	11,119	82	103.25	3.31	22
					3,561.17 Kg	358 Kg	731 Kg	11 Metric Tons			2.52 m3	

Crimson Sky

Design Number: 500-2036 - Compliance and Technical Data
Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	Post-Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events

ASTM F1487

The lay-out for this custom playscape, design number 500-2036, has been configured to meet the requirements of the ASTM F1487 standard. In addition, each of the above components listed as "Certified" have been tested and are IPEMA certified. Components listed as "Not Applicable" do not fall within the scope of the ASTM F1487 standard and have not been tested. IPEMA certification can be verified on the IPEMA website, www.ipema.org. In the interest of playground safety, IPEMA provides a Third Party Certification Service which validates compliance.

2010 ADA Standards for Accessible Design

The lay-out was also designed to meet the 2010 Standards published 15-Sep-2010, by the Department of Justice when installed over a properly maintained surfacing material that is in compliance with ASTM F1951 "Accessibility of Surface Systems Under and Around Playground Equipment" as well as ASTM F1292, "Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment", appropriate for the fall height of the structure.

Installation Times

Installation times are based on one experienced installer. A crew of three experienced individuals can perform the installation within the given time, each member working 1/3 of the given hours. [Eg. Installation Time = 30 hours. For a crew of three, each member will work 10 hours on the installation for a total of 30 hours on the project.]

Carbon Footprint

The CO2e (carbon footprint given in Kilograms and Metric Tons) listed above is a measure of the environmental impact this play structure represents from harvesting raw materials to the time it leaves our shipping dock. Playworld Systems nurtures a total corporate culture that is focused on eliminating carbon producing processes and products, reducing our use of precious raw materials, reusing materials whenever possible and recycling materials at every opportunity. Playworld Systems elected to adopt the Publicly Available Specification; PAS 2050 as published by the British Standards Institute and sponsored by Defra and the Carbon Trust. The PAS 2050 has gained international acceptance as a specification that measures the greenhouse gas emissions in services and goods throughout their entire life cycle.

Pre-Consumer Recycle Content

A measurement, in pounds, that qualifies the amount of material that was captured as waste and diverted from landfill during an initial manufacturing process and is being redirected to a separate manufacturing process to become a different product. E.g. 100% of our Aluminum Tubing is made from captured waste material during the manufacturing process of extruded Aluminum products such as rods, flat bars and H-channels.

Post-Consumer Recycle Content

A measurement, in pounds, that qualifies the amount of material that was once another product that has completed its lifecycle and has been diverted from a landfill as a solid waste through recycling and is now being used in a Playworld Systems' product. E.g. **20% to 40% of the steel in our steel tubing and sheet steel have been diverted from landfills. Automobiles are scrapped and recyclable steel is purchased by the steel mill that produces our raw product.

** The amount of Post-Consumer recycled steel fluctuates daily based on the availability of the recycled steel.