

SimSpray Free Paint Project Settings

PART	COAT #	COAT TYPE	TIP SIZE	AIR PRESSURE (psi)			FLUID PRESSURE (psi)			MIL THICKNESS (mil)			SPEED (in/s)			DISTANCE TO PART (in)			TRAVEL ANGLE (°)		
				Setting	Tolerance		Setting	Tolerance		Setting	Tolerance		Setting	Tolerance		Setting	Tolerance		Setting	Tolerance	
					Easy (+/-)	Hard (+/-)		Easy (+/-)	Hard (+/-)		Easy (+/-)	Hard (+/-)		Easy (+/-)	Hard (+/-)		Easy (+/-)	Hard (+/-)			
HVLP																					
Car Parts																					
Car Door	1	Color	1	35	10	10	N/A	N/A	N/A	3	1.500	0.750	1.5	1	0.5	8	3	1.5	90	25	17.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	0.750	1.5	1	0.5	8	3	1.5	90	25	17.5
Car Hood	1	Color	1	35	10	10	N/A	N/A	N/A	3	1.500	0.750	1.5	1	0.5	8	3	1.5	90	25	17.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	0.750	1.5	1	0.5	8	3	1.5	90	25	17.5
Car Fender	1	Color	1	35	10	10	N/A	N/A	N/A	3	1.500	0.750	1.5	1	0.5	8	3	2.1	90	30	22.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	0.750	1.5	1	0.5	8	3	2.1	90	30	22.5
Car Bumper	1	Color	1	35	10	10	N/A	N/A	N/A	3	1.500	1.050	1.5	1	0.75	8	3	1.9	90	35	10
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	1.050	1.5	1	0.75	8	3	1.9	90	35	10
Horizontal Car Hood	1	Color	1	35	10	10	N/A	N/A	N/A	3	1.500	1.050	1.5	1	0.85	8	3	1.5	90	25	27.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	1.050	1.5	1	0.85	8	3	1.5	90	25	27.5
Motorcycle Parts																					
Gas Tank	1	Color	1	35	10	10	N/A	N/A	N/A	3	1.500	1.000	1.5	1	0.75	8	3	2.1	90	50	37.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	1.000	1.5	1	0.75	8	3	2.1	90	50	37.5
Motorcycle Fender	1	Color	1	30	10	10	N/A	N/A	N/A	3	1.500	1.050	1.5	1	0.85	8	3	2.1	90	35	22.5
	2	Clear	1	30	10	10	N/A	N/A	N/A	2.55	1.500	1.050	1.5	1	0.85	8	3	2.1	90	35	22.5
Geometric Parts																					
Flat Panel	1	Color	1	35	10	10	N/A	N/A	N/A	3	1.500	0.750	1.5	1	0.5	8	3	1.5	90	25	17.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	0.750	1.5	1	0.5	8	3	1.5	90	25	17.5
Wavy Panel	1	Color	1	35	10	10	N/A	N/A	N/A	3	1.500	0.750	1.5	1	0.75	8	3	1.5	90	25	17.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	0.750	1.5	1	0.75	8	3	1.5	90	25	17.5
Vertical Panel	1	Color	1	35	10	10	N/A	N/A	N/A	3	1.500	0.750	1.5	1	0.5	8	3	1.5	90	25	17.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	0.750	1.5	1	0.5	8	3	1.5	90	25	17.5
Practice Parts																					
ASTM H-Beam	1	Color	1	35	10	10	N/A	N/A	N/A	3	1.500	0.750	1.5	1	0.75	8	3	1.5	90	35	17.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	0.750	1.5	1	0.75	8	3	1.5	90	35	17.5
ASTM Pipe	1	Color	1	35	10	10	N/A	N/A	N/A	3	1.500	0.750	1.5	1	0.75	8	3	1.5	90	35	17.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	0.750	1.5	1	0.75	8	3	1.5	90	35	17.5
ASTM Deep T	1	Color	1	35	10	10	N/A	N/A	N/A	3	1.500	0.750	1.5	1	0.5	8	3	1.5	90	25	17.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	0.750	1.5	1	0.5	8	3	1.5	90	25	17.5
HVLP I-Beam	1	Color	1	35	10	10	N/A	N/A	N/A	3	1.500	0.750	1.5	1	0.6	8	3	1.65	90	35	18.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	0.750	1.5	1	0.6	8	3	1.65	90	35	18.5
HVLP H-Beam	1	Color	1	35	10	10	N/A	N/A	N/A	3	1.500	0.750	1.5	1	0.6	8	3	1.65	90	35	18.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	0.750	1.5	1	0.6	8	3	1.65	90	35	18.5
ACQPA Panel Cylinder	1	Color	1	35	10	5	N/A	N/A	N/A	3	1.500	1.050	1.5	1	0.5	8	3	1.5	90	25	17.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	1.050	1.5	1	0.5	8	3	1.5	90	25	17.5
ACQPA Panel Vertical	1	Color	1	35	10	5	N/A	N/A	N/A	3	1.500	1.050	1.5	1	0.5	8	3	1.5	90	25	17.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	1.050	1.5	1	0.5	8	3	1.5	90	25	17.5
ACQPA Panel Horizontal	1	Color	1	35	10	5	N/A	N/A	N/A	3	1.500	1.050	1.5	1	0.5	8	3	1.9	90	25	55
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	1.050	1.5	1	0.5	8	3	1.9	90	25	55
Other Parts																					
Half Barrel	1	Color	1	35	10	5	N/A	N/A	N/A	3	1.500	1.050	1.5	1	0.85	8	3	1.5	90	35	17.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	1.050	1.5	1	0.85	8	3	1.5	90	35	17.5
Horizontal Wagon Roof	1	Color	1	35	10	10	N/A	N/A	N/A	3	1.500	1.050	1.5	1	0.5	8	3	1.5	90	25	17.5
	2	Clear	1	35	10	10	N/A	N/A	N/A	2.55	1.500	1.050	1.5	1	0.5	8	3	1.5	90	25	17.5
HVLP EDGE BLENDING																					
Car Parts																					
Repair Car Hood	1	Color	1.3	35	10	N/A	N/A	N/A	N/A	3	1.500	N/A	1.5	1	N/A	8	3	N/A	90	30	N/A
Repair Car Door-Fender	1	Color	1.3	35	10	N/A	N/A	N/A	N/A	3	1.500	N/A	1.5	1	N/A	8	3	N/A	90	30	N/A
Geometric Parts																					
Repair Vertical Panel	1	Color	1.3	35	10	N/A	N/A	N/A	N/A	3	1.500	N/A	1.5	1	N/A	8	3	N/A	90	30	N/A
AIRLESS																					
Geometric Parts																					
Flat Panel	1	Color	517	N/A	N/A	N/A	1500	250	150	6.6	3.250	1.625	1.5	1	0.5	12	3	1.5	90	25	17.5
	2	Clear	517	N/A	N/A	N/A	1500	250	150	7.05	3.550	1.775	1.5	1	0.5	12	3	1.5	90	25	17.5
Wavy Panel	1	Color	415	N/A	N/A	N/A	1500	250	150	6.6	3.250	1.625	1.5	1	0.75	12	3	2.1	90	25	17.5
	2	Clear	415	N/A	N/A	N/A	1500	250	150	7.05	3.550	1.900	1.5	1	0.75	12	3	2.1	90	25	17.5
Vertical Panel	1	Color	517	N/A	N/A	N/A	1700	250	150	6.6	3.250	1.625	1.5	1	0.5	12	3	1.5	90	25	17.5
	2	Clear	517	N/A	N/A	N/A	1700	250	150	7.05	3.550	2.400	1.5	1	0.5	12	3	1.5	90	25	17.5
Practice Parts																					
ASTM Panel	1	Color	517	N/A	N/A	N/A	1700	250	150	6.6	3.250	1.625	1.5	1	0.75	12	3	1.9	90	35	22.5
	2	Clear	517	N/A	N/A	N/A	1700	250	150	7.05	3.550	1.775	1.5	1	0.75	12	3	1.9	90	35	24.5
ACQPA Panel	1	Color	517	N/A	N/A	N/A	1500	250	150	6.6	3.250	2.275	1.5	1	0.85	12	3	1.9	90	25	10
	2	Clear	517	N/A	N/A	N/A	1500	250	150	7.05	3.550	2.275	1.5	1	0.85	12	3	1.9	90	25	10

Note: All primer projects use the same values as the easy defaults and Paint coat settings.

SimSpray Free Paint Project Settings

PART	COAT #	COAT TYPE	TIP SIZE	AIR PRESSURE (psi)			FLUID PRESSURE (psi)			MIL THICKNESS (mil)			SPEED (in/s)			DISTANCE TO PART (in)			TRAVEL ANGLE (°)		
				Tolerance		Setting	Tolerance		Setting	Tolerance		Setting	Tolerance		Setting	Tolerance		Setting	Tolerance		
				Easy (+/-)	Hard (+/-)		Easy (+/-)	Hard (+/-)		Easy (+/-)	Hard (+/-)		Easy (+/-)	Hard (+/-)		Easy (+/-)	Hard (+/-)				
				Setting	Easy (+/-)	Hard (+/-)	Setting	Easy (+/-)	Hard (+/-)	Setting	Easy (+/-)	Hard (+/-)	Setting	Easy (+/-)	Hard (+/-)	Setting	Easy (+/-)	Hard (+/-)	Setting	Easy (+/-)	Hard (+/-)
Large Set Panel	1	Color	517	N/A	N/A	N/A	1700	250	150	6.6	3.250	1.625	1.5	1	0.5	12	3	1.5	90	25	17.5
	2	Clear	517	N/A	N/A	N/A	1700	250	150	7.05	3.550	1.775	1.5	1	0.5	12	3	1.5	90	25	17.5
I-Beam	1	Color	415	N/A	N/A	N/A	1700	250	150	6.6	3.250	1.625	1.5	1	0.6	12	3	2.1	90	35	18.5
	2	Clear	415	N/A	N/A	N/A	1700	250	150	7.05	3.550	1.775	1.5	1	0.6	12	3	2.1	90	35	18.5
H-Beam	1	Color	415	N/A	N/A	N/A	1700	250	150	6.6	3.250	1.625	1.5	1	0.6	12	3	2.1	90	35	18.5
	2	Clear	415	N/A	N/A	N/A	1700	250	150	7.05	3.550	1.775	1.5	1	0.6	12	3	2.1	90	35	18.5
Vertical Piece	1	Color	517	N/A	N/A	N/A	2100	250	150	6.6	3.250	1.625	1.5	1	0.5	12	3	1.5	90	25	17.5
	2	Clear	517	N/A	N/A	N/A	2100	250	150	7.05	3.550	1.775	1.5	1	0.5	12	3	1.5	90	25	17.5
Other Parts																					
Backhoe Bucket	1	Color	415	N/A	N/A	N/A	1500	250	150	6.6	3.250	1.625	1.5	1	0.75	12	3	1.85	90	25	22.5
	2	Clear	415	N/A	N/A	N/A	1500	250	150	7.05	3.550	2.750	1.5	1	0.75	12	3	1.85	90	25	22.5
Bridge Section	1	Color	415	N/A	N/A	N/A	2100	250	150	6.6	3.250	1.625	1.5	1	0.75	12	3	1.9	90	35	25
	2	Clear	415	N/A	N/A	N/A	2100	250	150	7.05	3.550	1.775	1.5	1	0.75	12	3	1.9	90	35	25
Half Barrel	1	Color	415	N/A	N/A	N/A	1500	250	150	6.6	3.250	2.275	1.5	1	0.85	12	3	1.5	90	35	20.5
	2	Clear	415	N/A	N/A	N/A	1500	250	150	7.05	3.550	2.275	1.5	1	0.85	12	3	1.5	90	35	20.5
AIRLESS CONVEYER																					
Geometric Parts																					
Flat Panel	1	Color	517	N/A	N/A	N/A	1500	250	150	6.6	3.250	1.625	1.5	1	0.5	12	3	1.5	90	25	17.5
Wavy Panel	1	Color	415	N/A	N/A	N/A	1500	250	150	6.6	3.250	1.625	1.5	1	0.5	12	3	1.5	90	25	17.5
AIR-ASSISTED AIRLESS																					
Car Parts																					
Car Door	1	Color	313	9	4	2	900	250	150	4.05	2.050	1.025	1.5	1	0.5	12	3	1.5	90	25	17.5
	2	Clear	313	9	4	2	900	250	150	4.5	2.200	1.100	1.5	1	0.5	12	3	1.5	90	25	17.5
Car Hood	1	Color	415	9	4	2	900	250	150	4.05	2.050	1.025	1.5	1	0.5	12	3	1.5	90	25	17.5
	2	Clear	415	9	4	2	900	250	150	4.5	2.200	1.100	1.5	1	0.5	12	3	1.5	90	25	17.5
Car Fender	1	Color	313	9	4	2	900	250	150	4.05	2.050	1.250	1.5	1	0.5	12/8	3	2.1	90	30	22.5
	2	Clear	313	9	4	2	900	250	150	4.5	2.200	1.400	1.5	1	0.5	12/8	3	2.1	90	30	22.5
Motorcycle Parts																					
Gas Tank	1	Color	311	9	4	2	900	250	150	4.05	2.050	1.500	1.5	1	0.75	12	3	2.1	90	50	37.5
	2	Clear	311	9	4	2	900	250	150	4.5	2.200	1.750	1.5	1	0.75	12	3	2.1	90	50	37.5
Geometric Parts																					
Flat Panel	1	Color	517	9	4	2	900	250	150	4.05	2.050	1.025	1.5	1	0.5	12	3	1.5	90	25	17.5
	2	Clear	517	9	4	2	900	250	150	4.5	2.200	1.100	1.5	1	0.5	12	3	1.5	90	25	17.5
Wavy Panel	1	Color	313	9	4	2	900	250	150	4.05	2.050	1.025	1.5	1	0.5	12	3	1.5	90	25	17.5
	2	Clear	313	9	4	2	900	250	150	4.5	2.200	1.100	1.5	1	0.5	12	3	1.5	90	25	17.5
Vertical Panel	1	Color	517	9	4	2	1100	250	150	4.05	2.050	1.025	1.5	1	0.5	12	3	1.5	90	25	17.5
	2	Clear	517	9	4	2	1100	250	150	4.5	2.200	1.100	1.5	1	0.5	12	3	1.5	90	25	17.5
Practice Parts																					
ASTM Panel	1	Color	415	9	4	2	1100	250	150	4.05	2.050	1.025	1.5	1	0.75	12	3	1.9	90	35	22.5
	2	Clear	415	9	4	2	1100	250	150	4.5	2.200	1.100	1.5	1	0.75	12	3	1.9	90	35	22.5
ACQPA Panel	1	Color	415	9	4	2	900	250	150	4.05	2.050	1.435	1.5	1	0.85	12	3	1.9	90	25	27.5
	2	Clear	415	9	4	2	900	250	150	4.5	2.200	1.100	1.5	1	0.85	12	3	1.9	90	25	27.5
Large Set Panel	1	Color	517	9	4	2	1500	250	150	4.05	2.050	1.025	1.5	1	0.5	12	3	1.5	90	25	17.5
	2	Clear	517	9	4	2	1500	250	150	4.5	2.200	1.100	1.5	1	0.5	12	3	1.5	90	25	17.5
I-Beam	1	Color	415	9	4	2	1500	250	150	4.05	2.050	1.025	1.5	1	0.5	12	3	1.5	90	35	17.5
	2	Clear	415	9	4	2	1500	250	150	4.5	2.200	1.100	1.5	1	0.5	12	3	1.5	90	35	17.5
H-Beam	1	Color	415	9	4	2	1500	250	150	4.05	2.050	1.025	1.5	1	0.5	12	3	1.5	90	35	17.5
	2	Clear	415	9	4	2	1500	250	150	4.5	2.200	1.100	1.5	1	0.5	12	3	1.5	90	35	17.5
Vertical Piece	1	Color	517	9	4	2	1800	250	150	4.05	2.050	1.025	1.5	1	0.5	12	3	1.5	90	25	17.5
	2	Clear	517	9	4	2	1800	250	150	4.5	2.200	1.100	1.5	1	0.5	12	3	1.5	90	25	17.5
Other Parts																					
Backhoe Bucket	1	Color	415	9	4	2	900	250	150	4.05	2.050	1.435	1.5	1	0.75	12	3	1.85	90	35	22.5
	2	Clear	415	9	4	2	900	250	150	4.5	2.200	1.100	1.5	1	0.75	12	3	1.85	90	35	22.5
Bridge Section	1	Color	415	9	4	2	1800	250	150	4.05	2.050	1.025	1.5	1	0.85	12	3	1.75	90	35	22.5
	2	Clear	415	9	4	2	1800	250	150	4.5	2.200	1.100	1.5	1	0.85	12	3	1.75	90	35	22.5
Half Barrel	1	Color	415	9	4	2	900	250	150	4.05	2.050	1.435	1.5	1	0.85	12/8	3	1.5	90	35	17.5
	2	Clear	415	9	4	2	900	250	150	4.5	2.200	1.100	1.5	1	0.85	12/8	3	1.5	90	35	17.5
AIR-ASSISTED AIRLESS CONVEYER																					
Car Parts																					
Car Door	1	Color	313	9	4	2	900	250	150	4.05	2.050	1.025	1.5	1	0.5	12	3	1.5	90	25	17.5
Car Hood	1	Color	415	9	4	2	900	250	150	4.05	2.050	1.025	1.5	1	0.5	12	3	1.5	90	25	17.5
Car Fender	1	Color	313	9	4	2	900	250	150	4.05	2.050	1.025	1.5	1	0.5	12/8	3	1.5	90	30	22.5
Geometric Parts																					
Flat Panel	1	Color	517	9	4	2	900	250	150	4.05	2.050	1.025	1.5	1	0.5	12	3	1.5	90	25	17.5
Wavy Panel	1	Color	313	9	4	2	900	250	150	4.05	2.050	1.025	1.5	1	0.5	12	3	1.5	90	25	17.5

Note: All primer projects use the same values as the easy defaults and Paint coat settings.