

Technical Data Sheet (TDS)

Colors	Item No.	Recommended Cure Temp (F°)†	Recommended Mil Thickness (mil)	Gloss Level*	Gloss Units*	Strainer Size (mesh)	Density (g/mL)	% Solids	Viscosity (cP)**
Al. Dark Earth	H-250	250-300	1.0 - 2.0	Flat	1	150 (Part# SE-276)	1.39	30	71
Armor Black	H-190	250-300	1.0 - 2.0	Flat	2	150 (Part# SE-276)	1.41	31	74
Barrett® Bronze	H-259	250-300	1.0 - 2.0	Flat	5	150 (Part# SE-276)	1.38	30	50
Barrett® Brown	H-269	250-300	1.0 - 2.0	Flat	2	150 (Part# SE-276)	1.43	32	79
Battleship Grey	H-213	250-300	1.0 - 2.0	Matte	7	150 (Part# SE-276)	1.46	38	54
Bazooka Pink	H-244	250-300	2.0 - 3.0	Eggshell	18	150 (Part# SE-276)	1.47	36	61
Benelli® Sand	H-143	250-300	1.0 - 2.0	Flat	5	150 (Part# SE-276)	1.41	32	119
Blue Titanium	H-185	250-300	1.0 - 2.0	Flat	1	100 (Part# SE-275)	1.43	33	58
Bright Nickel	H-157	250-300	1.0 - 2.0	Flat	3	100 (Part# SE-275)	1.40	33	56
Bright Purple	H-217	250	2.0 - 3.0	Matte	8	150 (Part# SE-276)	1.44	36	54
Bright White	H-140	250	2.0 - 3.0	Semi Gloss	40	150 (Part# SE-276)	1.47	37	62
Brown Sand	H-30372	250-300	1.0 - 2.0	Eggshell	11	150 (Part# SE-276)	1.39	31	91
Burnt Bronze	H-148	250-300	1.0 - 2.0	Flat	1	100 (Part# SE-275)	1.43	35	100
Cadex Tan	H-308	250-300	1.0 - 2.0	Flat	3	150 (Part# SE-276)	1.39	34	89
Charcoal Green	H-338	250-300	1.0 - 2.0	Flat	3	100 (Part# SE-275)	1.46	38	75
Chocolate Brown	H-258	250-300	1.0 - 2.0	Flat	3	150 (Part# SE-276)	1.41	28	64
Cobalt	H-112	250-300	1.0 - 2.0	Flat	1	100 (Part# SE-275)	1.48	33	48
Cobalt Kinetics™ Green	H-296	250-300	1.0 - 2.0	Flat	1	100 (Part# SE-275)	1.38	34	66
Cobalt Kinetics™ Slate	H-295	250-300	1.0 - 2.0	Flat	1	100 (Part# SE-275)	1.38	34	104
Combat Grey	H-130	250-300	1.0 - 2.0	Flat	1	150 (Part# SE-276)	1.42	36	75
Copper Brown	H-149	250-300	1.0 - 2.0	Flat	2	150 (Part# SE-276)	1.43	34	76
Copper Suede	H-310	250-300	1.0 - 2.0	Flat	2	100 (Part# SE-275)	1.43	38	59
Corvette Yellow	H-144	250-300	2.0 - 3.0	Gloss	73	150 (Part# SE-276)	1.41	34	99
Coyote Tan	H-235	250-300	1.0 - 2.0	Flat	3	150 (Part# SE-276)	1.43	38	88
Crimson	H-221	250-300	1.0 - 2.0	Satin	29	150 (Part# SE-276)	1.40	32	51
Crushed Orchid	H-314	250-300	1.0 - 2.0	Flat	1	100 (Part# SE-275)	1.50	40	53
Crushed Silver	H-255	250-300	1.0 - 2.0	Flat	6	100 (Part# SE-275)	1.34	29	48
Desert Sage	H-247	250-300	1.0 - 2.0	Flat	6	150 (Part# SE-276)	1.39	30	55
Desert Sand	H-199	250-300	1.0 - 2.0	Flat	2	150 (Part# SE-276)	1.44	33	102
Desert Verde	H-256	250-300	1.0 - 2.0	Flat	2	150 (Part# SE-276)	1.38	30	62
Electric Yellow	H-166	250-300	2.0 - 3.0	Semi Gloss	55	150 (Part# SE-276)	1.37	36	156
Electrical Barrier Coating	H-900	250	3.0 - 4.0	Matte	8	150 (Part# SE-276)	1.45	51	155
Federal Brown	H-212	250-300	1.0 - 2.0	Flat	3	150 (Part# SE-276)	1.40	29	90
Federal Standard Field Drab	H-30118	250-300	1.0 - 2.0	Flat	4	150 (Part# SE-276)	1.42	31	76
Federal Standard Sabre Sand	H-33446	250-300	1.0 - 2.0	Eggshell	13	150 (Part# SE-276)	1.40	31	45
Federal Standard Tan	H-20180	250-300	1.0 - 2.0	Matte	7	150 (Part# SE-276)	1.43	39	104
Flat Dark Earth	H-265	250-300	1.0 - 2.0	Flat	4	150 (Part# SE-276)	1.38	30	81
Forest Green	H-248	250-300	1.0 - 2.0	Flat	2	150 (Part# SE-276)	1.42	34	51
Glock® FDE	H-261	250-300	1.0 - 2.0	Flat	2	150 (Part# SE-276)	1.43	33	79
Glock® Grey	H-184	250-300	1.0 - 2.0	Flat	3	150 (Part# SE-276)	1.40	32	147
Gloss Black	H-109	250-300	1.0 - 2.0	Semi Gloss	51	150 (Part# SE-276)	1.33	43	111
Gold	H-122	250-300	1.0 - 2.0	Flat	4	100 (Part# SE-275)	1.43	30	42
Graphite Black	H-146	250-300	1.0 - 2.0	Matte	9	150 (Part# SE-276)	1.41	31	78
Gun Metal Grey	H-219	250-300	1.0 - 2.0	Flat	3	100 (Part# SE-275)	1.46	36	62
Habanero Red	H-318	250-300	1.0 - 2.0	Eggshell	13	100 (Part# SE-275)	1.45	43	74
Hidden White	H-242	250	2.0 - 3.0	Flat	3	150 (Part# SE-276)	1.43	38	78
High Gloss Armor Clear [§]	H-300	200-250	0.25 - 0.75	High Gloss	176	325 (Part# SE-277)	1.26	25	7
Highland Green	H-200	250-300	1.0 - 2.0	Flat	1	150 (Part# SE-276)	1.38	29	127
Hunter Orange	H-128	250	2.0 - 3.0	Matte	8	150 (Part# SE-276)	1.34	32	65
Jesse James Civil Defense Blue	H-401	250-300	1.0 - 2.0	Flat	2	150 (Part# SE-276)	1.37	32	56
Jesse James Cold War Grey	H-402	250-300	1.0 - 2.0	Matte	10	150 (Part# SE-276)	1.42	33	54
Jesse James Eastern Front Green	H-400	250-300	1.0 - 2.0	Flat	3	150 (Part# SE-276)	1.39	31	95
Kel-Tec® Navy Blue	H-127	250-300	1.0 - 2.0	Eggshell	16	100 (Part# SE-275)	1.43	33	57
Light Sand	H-142	250-300	1.0 - 2.0	Flat	6	150 (Part# SE-276)	1.45	34	52
MagPul™ Flat Dark Earth	H-267	250-300	1.0 - 2.0	Flat	2	150 (Part# SE-276)	1.41	29	63
MagPul™ Foliage Green	H-231	250-300	1.0 - 2.0	Flat	4	150 (Part# SE-276)	1.39	32	109
MagPul™ O.D. Green	H-232	250-300	1.0 - 2.0	Flat	2	150 (Part# SE-276)	1.43	33	82
MagPul™ Stealth Grey	H-188	250-300	1.0 - 2.0	Flat	2	150 (Part# SE-276)	1.39	31	40
Matte Armor Clear [§]	H-301	200-250	0.25 - 0.75	Semi Gloss	58	325 (Part# SE-277)	0.93	25	9
Matte Brown	H-7504	250-300	1.0 - 2.0	Flat	4	150 (Part# SE-276)	1.38	32	91
McMillan Tan	H-203	250-300	1.0 - 2.0	Matte	8	150 (Part# SE-276)	1.39	31	47
Midnight Blue	H-238	250-300	1.0 - 2.0	Satin	22	150 (Part# SE-276)	1.44	33	81

H Series Technical Data Sheet (TDS) Cont. 广州孚润 400-992-6811

Colors	Item No.	Recommended Cure Temp (F°) ¹	Recommended Mil Thickness (mil)	Gloss Level*	Gloss Units*	Strainer Size (mesh)	Density (g/mL)	% Solids	Viscosity (cP)**
Midnight Bronze	H-294	250-300	1.0 - 2.0	Flat	2	100 (Part # SE-275)	1.41	33	55
Mil Spec Green	H-264	250-300	1.0 - 2.0	Matte	8	150 (Part # SE-276)	1.47	36	64
Mil Spec O.D. Green	H-240	250-300	1.0 - 2.0	Flat	1	150 (Part # SE-276)	1.42	32	86
Mojito	H-313	250-300	1.0 - 2.0	Matte	9	100 (Part # SE-275)	1.51	41	70
Mud Brown	H-225	250-300	1.0 - 2.0	Matte	7	150 (Part # SE-276)	1.45	35	76
MultiCam® Green	H-204	250-300	1.0 - 2.0	Flat	3	150 (Part # SE-276)	1.40	32	95
Northern Lights	H-315	250-300	1.0 - 2.0	Flat	1	100 (Part # SE-275)	1.51	42	28
Noveske Bazooka Green	H-189	250-300	1.0 - 2.0	Flat	5	150 (Part # SE-276)	1.41	33	40
Noveske Tiger Eye Brown	H-187	250-300	1.0 - 2.0	Flat	5	150 (Part # SE-276)	1.43	33	40
NRA Blue	H-171	250-300	1.0 - 2.0	Flat	4	150 (Part # SE-276)	1.39	32	62
O.D. Green	H-236	250-300	1.0 - 2.0	Flat	2	150 (Part # SE-276)	1.49	40	77
Pastel Purple	H-138	250	2.0 - 3.0	Matte	7	150 (Part # SE-276)	1.46	37	55
Patriot Brown	H-226	250-300	1.0 - 2.0	Flat	2	150 (Part # SE-276)	1.43	32	46
Pink Champagne	H-311	250-300	1.0 - 2.0	Flat	4	100 (Part # SE-275)	1.37	33	124
Plum Brown	H-298	250-300	1.0 - 2.0	Flat	5	150 (Part # SE-276)	1.42	32	70
Polar Blue	H-326	250-300	1.0 - 2.0	Flat	3	100 (Part # SE-275)	1.45	40	57
Prison Pink	H-141	250	2.0 - 3.0	Flat	3	150 (Part # SE-276)	1.36	35	88
Ral 8000	H-8000	250-300	1.0 - 2.0	Matte	8	150 (Part # SE-276)	1.41	32	57
Ridgeway Blue	H-220	250-300	1.0 - 2.0	Flat	3	150 (Part # SE-276)	1.45	34	64
Robin's Egg Blue	H-175	250-300	1.0 - 2.0	Eggshell	17	150 (Part # SE-276)	1.47	40	70
Rose Gold	H-327	250-300	1.0 - 2.0	Flat	6	100 (Part # SE-275)	1.42	37	135
Ruby Red	H-306	250-300	1.0 - 2.0	Eggshell	14	150 (Part # SE-276)	1.40	36	136
Satin Aluminum	H-151	250-300	1.0 - 2.0	Eggshell	17	100 (Part # SE-275)	1.38	33	44
Satin Mag	H-147	250-300	1.0 - 2.0	Flat	3	100 (Part # SE-275)	1.37	27	53
Savage Stainless	H-150	250-300	1.0 - 2.0	Flat	3	100 (Part # SE-275)	1.39	27	46
Sea Blue	H-172	250-300	1.0 - 2.0	Flat	3	150 (Part # SE-276)	1.49	37	52
Shimmer Aluminum	H-158	250-300	1.0 - 2.0	Flat	4	100 (Part # SE-275)	1.38	29	65
Sig™ Dark Grey	H-210	250-300	1.0 - 2.0	Flat	3	150 (Part # SE-276)	1.45	34	66
Sig™ Pink	H-224	250-300	2.0 - 3.0	Matte	7	150 (Part # SE-276)	1.38	35	127
Sky Blue	H-169	250-300	1.0 - 2.0	Flat	5	150 (Part # SE-276)	1.42	36	65
Smith & Wesson® Grey	H-214	250-300	1.0 - 2.0	Matte	7	150 (Part # SE-276)	1.46	34	152
Smith & Wesson® Red	H-216	250-300	1.0 - 2.0	Matte	9	150 (Part # SE-276)	1.37	30	112
Smith & Wesson® Tan	H-307	250-300	1.0 - 2.0	Flat	3	150 (Part # SE-276)	1.46	35	85
Sniper Green	H-229	250-300	1.0 - 2.0	Flat	2	150 (Part # SE-276)	1.38	34	68
Sniper Grey	H-234	250-300	1.0 - 2.0	Flat	1	100 (Part # SE-275)	1.44	39	60
Snow White	H-136	250	2.0 - 3.0	Flat	5	150 (Part # SE-276)	1.54	45	159
Socom Blue	H-245	250-300	1.0 - 2.0	Matte	8	150 (Part # SE-276)	1.38	33	61
Springfield® FDE	H-305	250-300	1.0 - 2.0	Flat	3	150 (Part # SE-276)	1.42	36	61
Springfield® Grey	H-304	250-300	1.0 - 2.0	Flat	3	150 (Part # SE-276)	1.45	43	95
Squatch Green	H-316	250-300	1.0 - 2.0	Flat	1	100 (Part # SE-275)	1.51	40	51
Stainless	H-152	250-300	1.0 - 2.0	Flat	2	100 (Part # SE-275)	1.42	29	38
Steel Grey	H-139	250-300	1.0 - 2.0	Matte	9	150 (Part # SE-276)	1.43	32	46
Stone Grey	H-262	250-300	1.0 - 2.0	Flat	2	150 (Part # SE-276)	1.39	29	31
Stormtrooper White	H-297	250	2.0 - 3.0	High Gloss	87	150 (Part # SE-276)	1.62	48	39
Sunflower	H-317	250-300	2.0 - 3.0	Flat	4	100 (Part # SE-275)	1.42	42	87
Tactical Grey	H-227	250-300	1.0 - 2.0	Flat	2	100 (Part # SE-275)	1.46	35	46
Tequila Sunrise	H-309	250-300	1.0 - 2.0	Flat	2	100 (Part # SE-275)	1.48	40	44
Titanium	H-170	250-300	1.0 - 2.0	Flat	3	100 (Part # SE-275)	1.39	27	45
Troy® Coyote Tan	H-268	250-300	1.0 - 2.0	Flat	4	150 (Part # SE-276)	1.43	36	60
Tungsten	H-237	250-300	1.0 - 2.0	Flat	3	100 (Part # SE-275)	1.45	29	32
USMC Red	H-167	250-300	1.0 - 2.0	Satin	26	150 (Part # SE-276)	1.37	32	120
Vortex Bronze	H-293	250-300	1.0 - 2.0	Flat	1	100 (Part # SE-275)	1.43	33	59
Wild Purple	H-197	250-300	2.0 - 3.0	Flat	3	150 (Part # SE-276)	1.47	40	73
Zombie Green	H-168	250-300	1.0 - 2.0	Flat	2	150 (Part # SE-276)	1.45	35	43

All data is based on the following conditions: 18:1 catalyst ratio, 1 mil dry film thickness, 15minute ambient flash after application and prior to going into oven, 250°F cure for 2 hours.

*Gloss units and levels are measured at a 60° angle, 18:1 catalyst ratio, 1 - 2 mil dry film thickness, 15 minutes ambient flash after application and prior to going into oven, 250°F cure for 2 hours. Adjustments to these conditions will yield different results. Gloss is affected by spray technique and quality of preparation and finish.

H Series Technical Data Sheet (TDS) Cont. 广州孚润 400-992-6811

Part 1 Pg. 3

***Gloss units** and levels are measured at a 60° angle, 18:1 catalyst ratio, 1 - 2 mil dry film thickness, 15 minutes ambient flash after application and prior to going into oven, 250°F cure for 2 hours. Adjustments to these conditions will yield different results. Gloss is affected by spray technique and quality of preparation and finish.

****Viscosity** measured at ambient at the time of manufacture.

¶**Recommended Cure Temperature:** Cerakote® can be cured at the maximum Recommended Cure Temperature listed on the TDS and based on color and substrate. Curing between 180°F - 250°F is done for 2 hours. Curing at 300°F degrees is done for 1 hour. Please reference the Cerakote® Elite and H-Series Application Guide for additional cure schedule information.

‡**Chemical Resistance Testing:** Results refer to color change based on CIE76 formulation. Results range from:

- **Excellent:** ΔE change of <2.5
- **Good:** ΔE change of <3.0
- **Fair:** ΔE change of <3.5
- **Poor:** ΔE change of <4.0

□**Maximum Temperature** is the temperature to which the color or coating is stable.

†**Testing parameters** are as follows:

- **Hardness** or Pencil Hardness Tests are measured from softest to hardest as follows: 9B, 8B, 7B, 6B, 5B, 4B, 3B, 2B, B, HB, F, 2H, 3H, 4H, 5H, 6H, 7H, 8H, 9H. 9H is the hardest.
- **Adhesion** is measured on a scale of 0B, 1B, 2B, 3B, 4B, 5B, with 5B being the highest achievable rating.
- **Flexibility** or Conical Mandrel Bend: "100% Resistance" is the highest achievable rating and indicates that the coating did not crack or spall.
- **Impact Performance** is measured on a scale of 0 inch-lbs. to 160 inch-lbs., with 160 inch-lbs. being the highest achievable rating.

§**Data for product shipped after 11/18/19.**

This information is accurate to the best of our knowledge, however, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Please feel free to email us at info@cerakote.com or call us at 1-866-774-7628 if you have any questions.

v.12/16/19

H Series Technical Data Sheet (TDS) Cont. 广州孚润 400-992-6811

Colors	Item No.	Corrosion Resistance ASTM B117 (hours)	Coating Stability (F°) Max. Temp.	Color Stability (F°) Max. Temp.	Non-Exempt VOC Content per US EPA Regulation (ppm)	Chemical Resistance [‡] (Common Solvents & Diesel)	UV Stability
A.I. Dark Earth	H-250	2000+	500+	350	0	Excellent	Good
Armor Black	H-190	2000+	500+	500+	0	Excellent	Good
Barrett® Bronze	H-259	2000+	500+	500+	0	Excellent	Good
Barrett® Brown	H-269	2000+	500+	400	0	Excellent	Good
Battleship Grey	H-213	2000+	500+	350	0	Excellent	Good
Bazooka Pink	H-244	2000+	500+	300	0	Excellent	Poor
Benelli® Sand	H-143	2000+	500+	350	0	Excellent	Good
Blue Titanium	H-185	2000+	500+	300	0	Excellent	Good
Bright Nickel	H-157	2000+	500+	350	0	Excellent	Good
Bright Purple	H-217	2000+	500+	250	0	Excellent	Poor
Bright White	H-140	2000+	500+	250	0	Excellent	Poor
Brown Sand	H-30372	2000+	500+	350	0	Excellent	Good
Burnt Bronze	H-148	2000+	500+	350	0	Fair	Good
Cadex Tan	H-308	2000+	500+	450	0	Excellent	Good
Charcoal Green	H-338	2000+	500+	400	0	Excellent	Fair
Chocolate Brown	H-258	2000+	500+	500+	0	Excellent	Good
Cobalt	H-112	2000+	500+	500+	0	Excellent	Good
Cobalt Kinetics™ Green	H-296	2000+	500+	350	0	Excellent	Good
Cobalt Kinetics™ Slate	H-295	2000+	500+	350	0	Excellent	Good
Combat Grey	H-130	2000+	500+	350	0	Excellent	Fair
Copper Brown	H-149	2000+	500+	350	0	Excellent	Good
Copper Suede	H-310	2000+	500+	400	0	Good	Good
Corvette Yellow	H-144	2000+	500+	350	0	Excellent	Fair
Coyote Tan	H-235	2000+	500+	400	0	Excellent	Good
Crimson	H-221	2000+	500+	350	0	Excellent	Good
Crushed Orchid	H-314	2000+	500+	300	0	Excellent	Poor
Crushed Silver	H-255	2000+	500+	450	0	Excellent	Good
Desert Sage	H-247	2000+	500+	350	0	Excellent	Good
Desert Sand	H-199	2000+	500+	350	0	Excellent	Good
Desert Verde	H-256	2000+	500+	350	0	Excellent	Good
Electric Yellow	H-166	2000+	500+	300	0	Excellent	Fair
Electrical Barrier Coating	H-900	2000+	500+	250	0	Excellent	Poor
Federal Brown	H-212	2000+	500+	350	0	Excellent	Fair
Federal Standard Field Drab	H-30118	2000+	500+	350	0	Excellent	Good
Federal Standard Sabre Sand	H-33446	2000+	500+	350	0	Excellent	Good
Federal Standard Tan	H-20180	2000+	500+	350	0	Excellent	Good
Flat Dark Earth	H-265	2000+	500+	450	0	Excellent	Good
Forest Green	H-248	2000+	500+	350	0	Excellent	Good
Glock® FDE	H-261	2000+	500+	450	0	Excellent	Good
Glock® Grey	H-184	2000+	500+	450	0	Excellent	Good
Gloss Black	H-109	2000+	500+	500+	0	Excellent	Good
Gold	H-122	2000+	500+	350	0	Excellent	Fair
Graphite Black	H-146	2000+	500+	500+	0	Excellent	Good
Gun Metal Grey	H-219	2000+	500+	350	0	Excellent	Good
Habanero Red	H-318	2000+	500+	400	0	Excellent	Good
Hidden White	H-242	2000+	500+	250	0	Excellent	Fair
High Gloss Armor Clear [§]	H-300	2000+	500+	350	0	Excellent	Fair
Highland Green	H-200	2000+	500+	350	0	Excellent	Good
Hunter Orange	H-128	2000+	500+	250	0	Good	Poor
Jesse James Civil Defense Blue	H-401	2000+	500+	300	0	Excellent	Fair
Jesse James Cold War Grey	H-402	2000+	500+	350	0	Excellent	Good
Jesse James Eastern Front Green	H-400	2000+	500+	350	0	Excellent	Good
Kel-Tec® Navy Blue	H-127	2000+	500+	350	0	Excellent	Good
Light Sand	H-142	2000+	500+	350	0	Excellent	Good
MagPul™ Flat Dark Earth	H-267	2000+	500+	350	0	Excellent	Good
MagPul™ Foliage Green	H-231	2000+	500+	350	0	Excellent	Good
MagPul™ O.D. Green	H-232	2000+	500+	450	0	Excellent	Good
MagPul™ Stealth Grey	H-188	2000+	500+	450	0	Excellent	Good
Matte Armor Clear [§]	H-301	2000+	500+	350	0	Excellent	Fair
Matte Brown	H-7504	2000+	500+	350	0	Excellent	Good

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Colors	Item No.	Corrosion Resistance ASTM B117 (hours)	Coating Stability (F°) Max. Temp.	Color Stability (F°) Max. Temp.	Non-Exempt VOC Content per US EPA Regulation (ppm)	Chemical Resistance [†] (Common Solvents & Diesel)	UV Stability
McMillan Tan	H-203	2000+	500+	350	0	Excellent	Good
Midnight Blue	H-238	2000+	500+	500+	0	Excellent	Good
Midnight Bronze	H-294	2000+	500+	500+	0	Excellent	Good
Mil Spec Green	H-264	2000+	500+	450	0	Excellent	Good
Mil Spec O.D. Green	H-240	2000+	500+	450	0	Excellent	Good
Mojito	H-313	2000+	500+	350	0	Excellent	Good
Mud Brown	H-225	2000+	500+	350	0	Excellent	Fair
MultiCam® Green	H-204	2000+	500+	350	0	Excellent	Good
Northern Lights	H-315	2000+	500+	350	0	Excellent	Fair
Noveske Bazooka Green	H-189	2000+	500+	350	0	Excellent	Good
Noveske Tiger Eye Brown	H-187	2000+	500+	350	0	Excellent	Good
NRA Blue	H-171	2000+	500+	300	0	Excellent	Fair
O.D. Green	H-236	2000+	500+	450	0	Excellent	Good
Pastel Purple	H-138	2000+	500+	250	0	Excellent	Poor
Patriot Brown	H-226	2000+	500+	450	0	Excellent	Good
Pink Champagne	H-311	2000+	500+	350	0	Excellent	Good
Plum Brown	H-298	2000+	500+	500+	0	Excellent	Good
Polar Blue	H-326	2000+	500+	350	0	Excellent	Good
Prison Pink	H-141	2000+	500+	250	0	Excellent	Poor
Ral 8000	H-8000	2000+	500+	350	0	Excellent	Good
Ridgeway Blue	H-220	2000+	500+	300	0	Excellent	Fair
Robin's Egg Blue	H-175	2000+	500+	300	0	Excellent	Fair
Rose Gold	H-327	2000+	500+	500+	0	Excellent	Poor
Ruby Red	H-306	2000+	500+	350	0	Excellent	Fair
Satin Aluminum	H-151	2000+	500+	500+	0	Excellent	Fair
Satin Mag	H-147	2000+	500+	300	0	Excellent	Good
Savage Stainless	H-150	2000+	500+	300	0	Excellent	Good
Sea Blue	H-172	2000+	500+	300	0	Excellent	Fair
Shimmer Aluminum	H-158	2000+	500+	350	0	Excellent	Good
Sig™ Dark Grey	H-210	2000+	500+	450	0	Excellent	Good
Sig™ Pink	H-224	2000+	500+	350	0	Excellent	Poor
Sky Blue	H-169	2000+	500+	300	0	Excellent	Poor
Smith & Wesson® Grey	H-214	2000+	500+	350	0	Excellent	Good
Smith & Wesson® Red	H-216	2000+	500+	350	0	Excellent	Fair
Smith & Wesson® Tan	H-307	2000+	500+	450	0	Excellent	Good
Sniper Green	H-229	2000+	500+	350	0	Excellent	Good
Sniper Grey	H-234	2000+	500+	450	0	Excellent	Good
Snow White	H-136	2000+	500+	250	0	Excellent	Poor
Socom Blue	H-245	2000+	500+	450	0	Excellent	Good
Springfield® FDE	H-305	2000+	500+	450	0	Excellent	Good
Springfield® Grey	H-304	2000+	500+	450	0	Excellent	Good
Squatch Green	H-316	2000+	500+	350	0	Excellent	Good
Stainless	H-152	2000+	500+	350	0	Excellent	Good
Steel Grey	H-139	2000+	500+	350	0	Excellent	Good
Stone Grey	H-262	2000+	500+	450	0	Excellent	Good
Stormtrooper White	H-297	2000+	500+	250	0	Excellent	Poor
Sunflower	H-317	2000+	500+	350	0	Excellent	Good
Tactical Grey	H-227	2000+	500+	400	0	Excellent	Good
Tequila Sunrise	H-309	2000+	500+	350	0	Good	Good
Titanium	H-170	2000+	500+	350	0	Excellent	Good
Troy® Coyote Tan	H-268	2000+	500+	350	0	Excellent	Good
Tungsten	H-237	1000+	500+	450	0	Excellent	Good
USMC Red	H-167	2000+	500+	350	0	Excellent	Fair
Vortex Bronze	H-293	2000+	500+	500+	0	Excellent	Good
Wild Purple	H-197	2000+	500+	300	0	Excellent	Poor
Zombie Green	H-168	2000+	500+	350	0	Excellent	Fair

All data is based on the following conditions: 18:1 catalyst ratio, 1 mil dry film thickness, 15minute ambient flash after application and prior to going into oven, 250°F cure for 2 hours.

H Series Technical Data Sheet (TDS) Cont.

广州孚润 400-992-6811

Part 2 Pg. 3

***Gloss units** and levels are measured at a 60° angle, 18:1 catalyst ratio, 1 - 2 mil dry film thickness, 15 minutes ambient flash after application and prior to going into oven, 250°F cure for 2 hours. Adjustments to these conditions will yield different results. Gloss is affected by spray technique and quality of preparation and finish.

****Viscosity** measured at ambient at the time of manufacture.

¶**Recommended Cure Temperature:** Cerakote® can be cured at the maximum Recommended Cure Temperature listed on the TDS and based on color and substrate. Curing between 180°F - 250°F is done for 2 hours. Curing at 300°F degrees is done for 1 hour. Please reference the Cerakote® Elite and H-Series Application Guide for additional cure schedule information.

‡**Chemical Resistance Testing:** Results refer to color change based on CIE76 formulation. Results range from:

- **Excellent:** ΔE change of <2.5
- **Good:** ΔE change of <3.0
- **Fair:** ΔE change of <3.5
- **Poor:** ΔE change of <4.0

□**Maximum Temperature** is the temperature to which the color or coating is stable.

†**Testing parameters** are as follows:

- **Hardness** or Pencil Hardness Tests are measured from softest to hardest as follows: 9B, 8B, 7B, 6B, 5B, 4B, 3B, 2B, B, HB, F, 2H, 3H, 4H, 5H, 6H, 7H, 8H, 9H. 9H is the hardest.
- **Adhesion** is measured on a scale of 0B, 1B, 2B, 3B, 4B, 5B, with 5B being the highest achievable rating.
- **Flexibility** or Conical Mandrel Bend: "100% Resistance" is the highest achievable rating and indicates that the coating did not crack or spall.
- **Impact Performance** is measured on a scale of 0 inch-lbs. to 160 inch-lbs., with 160 inch-lbs. being the highest achievable rating.

§**Data for product shipped after 11/18/19.**

This information is accurate to the best of our knowledge, however, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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H Series Technical Data Sheet (TDS) Cont. 广州孚润 400-992-6811

Colors	Item No.	Hardness [†] Gouge ASTM D3363	Hardness [†] Scratch ASTM D3363	Adhesion [†] (Crosscut Adhesion) ASTM D3359	Flexibility [†] (Conical Mandrel Bend) ASTM D522	Impact Performance [†] Direct ASTM D2794	Impact Performance [†] Indirect ASTM D2794	Theoretical Coverage per gal @ Recommended Mil Thickness (ft ²)
A.I. Dark Earth	H-250	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	482
Armor Black	H-190	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	495
Barrett® Bronze	H-259	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	479
Barrett® Brown	H-269	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	514
Battleship Grey	H-213	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	614
Bazooka Pink	H-244	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	291
Benelli® Sand	H-143	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	519
Blue Titanium	H-185	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	535
Bright Nickel	H-157	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	526
Bright Purple	H-217	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	289
Bright White	H-140	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	298
Brown Sand	H-30372	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	494
Burnt Bronze	H-148	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	568
Cadex Tan	H-308	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	552
Charcoal Green	H-338	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	609
Chocolate Brown	H-258	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	450
Cobalt	H-112	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	527
Cobalt Kinetics™ Green	H-296	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	542
Cobalt Kinetics™ Slate	H-295	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	540
Combat Grey	H-130	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	580
Copper Brown	H-149	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	542
Copper Suede	H-310	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	613
Corvette Yellow	H-144	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	275
Coyote Tan	H-235	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	607
Crimson	H-221	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	521
Crushed Orchid	H-314	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	644
Crushed Silver	H-255	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	461
Desert Sage	H-247	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	482
Desert Sand	H-199	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	535
Desert Verde	H-256	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	488
Electric Yellow	H-166	8H	7H	5B	100% Resistance	160 in-lbs	160 in-lbs	291
Electrical Barrier Coating	H-900	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	272
Federal Brown	H-212	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	473
Federal Standard Field Drab	H-30118	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	503
Federal Standard Sabre Sand	H-33446	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	498
Federal Standard Tan	H-20180	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	634
Flat Dark Earth	H-265	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	487
Forest Green	H-248	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	543
Glock® FDE	H-261	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	527
Glock® Grey	H-184	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	517
Gloss Black	H-109	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	686
Gold	H-122	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	474
Graphite Black	H-146	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	493
Gun Metal Grey	H-219	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	573
Habanero Red	H-318	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	689
Hidden White	H-242	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	302
High Gloss Armor Clear [§]	H-300	6H	7H	5B	100% Resistance	160 in-lbs	160 in-lbs	1593
Highland Green	H-200	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	471
Hunter Orange	H-128	8H	7H	5B	100% Resistance	160 in-lbs	160 in-lbs	254
Jesse James Civil Defense Blue	H-401	8H	7H	5B	100% Resistance	160 in-lbs	160 in-lbs	514
Jesse James Cold War Grey	H-402	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	525
Jesse James Eastern Front Green	H-400	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	504
Kel-Tec® Navy Blue	H-127	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	523
Light Sand	H-142	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	545
MagPul™ Flat Dark Earth	H-267	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	468
MagPul™ Foliage Green	H-231	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	519
MagPul™ O.D. Green	H-232	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	525
MagPul™ Stealth Grey	H-188	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	503
Matte Armor Clear [§]	H-301	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	1625
Matte Brown	H-7504	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	514

H Series Technical Data Sheet (TDS) Cont.

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Part 3 Pg. 2

Colors	Item No.	Hardness [†] Gouge ASTM D3363	Hardness [†] Scratch ASTM D3363	Adhesion [†] (Crosscut Adhesion) ASTM D3359	Flexibility [†] (Conical Mandrel Bend) ASTM D522	Impact Performance [†] Direct ASTM D2794	Impact Performance [†] Indirect ASTM D2794	Theoretical Coverage per gal @ Recommended Mil Thickness (ft ²)
McMillan Tan	H-203	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	502
Midnight Blue	H-238	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	527
Midnight Bronze	H-294	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	525
Mil Spec Green	H-264	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	574
Mil Spec O.D. Green	H-240	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	519
Mojito	H-313	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	663
Mud Brown	H-225	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	555
MultiCam® Green	H-204	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	508
Northern Lights	H-315	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	673
Noveske Bazoooka Green	H-189	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	534
Noveske Tiger Eye Brown	H-187	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	527
NRA Blue	H-171	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	512
O.D. Green	H-236	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	639
Pastel Purple	H-138	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	300
Patriot Brown	H-226	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	519
Pink Champagne	H-311	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	525
Plum Brown	H-298	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	510
Polar Blue	H-326	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	637
Prison Pink	H-141	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	281
Ral 8000	H-8000	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	507
Ridgeway Blue	H-220	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	538
Robin's Egg Blue	H-175	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	645
Rose Gold	H-327	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	594
Ruby Red	H-306	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	577
Satin Aluminum	H-151	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	534
Satin Mag	H-147	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	434
Savage Stainless	H-150	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	436
Sea Blue	H-172	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	596
Shimmer Aluminum	H-158	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	467
Sig™ Dark Grey	H-210	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	544
Sig™ Pink	H-224	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	285
Sky Blue	H-169	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	582
Smith & Wesson® Grey	H-214	9H	8H	5B	100% Resistance	80 in-lbs	80 in-lbs	542
Smith & Wesson® Red	H-216	9H	8H	5B	100% Resistance	60 in-lbs	60 in-lbs	487
Smith & Wesson® Tan	H-307	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	559
Sniper Green	H-229	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	551
Sniper Grey	H-234	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	624
Snow White	H-136	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	361
Socom Blue	H-245	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	535
Springfield® FDE	H-305	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	585
Springfield® Grey	H-304	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	686
Squatch Green	H-316	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	644
Stainless	H-152	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	466
Steel Grey	H-139	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	508
Stone Grey	H-262	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	458
Stormtrooper White	H-297	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	383
Sunflower	H-317	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	334
Tactical Grey	H-227	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	564
Tequila Sunrise	H-309	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	645
Titanium	H-170	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	435
Troy® Coyote Tan	H-268	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	576
Tungsten	H-237	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	471
USMC Red	H-167	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	519
Vortex Bronze	H-293	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	527
Wild Purple	H-197	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	319
Zombie Green	H-168	9H	8H	5B	100% Resistance	120 in-lbs	120 in-lbs	568

All data is based on the following conditions: 18:1 catalyst ratio, 1 mil dry film thickness, 15minute ambient flash after application and prior to going into oven, 250°F cure for 2 hours.

H Series Technical Data Sheet (TDS) Cont. 广州孚润 400-992-6811

Part 3 Pg. 3

***Gloss units** and levels are measured at a 60° angle, 18:1 catalyst ratio, 1 - 2 mil dry film thickness, 15 minutes ambient flash after application and prior to going into oven, 250°F cure for 2 hours. Adjustments to these conditions will yield different results. Gloss is affected by spray technique and quality of preparation and finish.

****Viscosity** measured at ambient at the time of manufacture.

¶**Recommended Cure Temperature:** Cerakote® can be cured at the maximum Recommended Cure Temperature listed on the TDS and based on color and substrate. Curing between 180°F - 250°F is done for 2 hours. Curing at 300°F degrees is done for 1 hour. Please reference the Cerakote® Elite and H-Series Application Guide for additional cure schedule information.

‡**Chemical Resistance Testing:** Results refer to color change based on CIE76 formulation. Results range from:

- **Excellent:** ΔE change of <2.5
- **Good:** ΔE change of <3.0
- **Fair:** ΔE change of <3.5
- **Poor:** ΔE change of <4.0

□**Maximum Temperature** is the temperature to which the color or coating is stable.

†**Testing parameters** are as follows:

- **Hardness** or Pencil Hardness Tests are measured from softest to hardest as follows: 9B, 8B, 7B, 6B, 5B, 4B, 3B, 2B, B, HB, F, 2H, 3H, 4H, 5H, 6H, 7H, 8H, 9H. 9H is the hardest.
- **Adhesion** is measured on a scale of 0B, 1B, 2B, 3B, 4B, 5B, with 5B being the highest achievable rating.
- **Flexibility** or Conical Mandrel Bend: "100% Resistance" is the highest achievable rating and indicates that the coating did not crack or spall.
- **Impact Performance** is measured on a scale of 0 inch-lbs. to 160 inch-lbs., with 160 inch-lbs. being the highest achievable rating.

§**Data for product shipped after 11/18/19.**

This information is accurate to the best of our knowledge, however, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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