

# CERAKOTE®

## H SERIES

### Technical Data Sheet (TDS)

Part 1 Pg. 1

Colors	Item No.	Recommended Cure Temp (F°)†	Recommended Mil Thickness	Gloss Level*	Gloss Units*	Strainer Size (mesh)	Density (g/mL)	%Solids	Viscosity (cP)**
A.I. Dark Earth	H-250	250-300	1 mil	Flat	1	150	1.39	30	71
Armor Black	H-190	250-300	1 mil	Flat	2	150	1.41	31	74
Barrett® Bronze	H-259	250-300	1 mil	Flat	5	150	1.38	30	50
Barrett® Brown	H-269	250-300	1 mil	Flat	2	150	1.43	32	79
Battleship Grey	H-213	250-300	1 mil	Matte	7	150	1.46	38	54
Bazooka Pink	H-244	250-300	2 mil	Eggshell	18	150	1.47	36	61
Benelli® Sand	H-143	250-300	1 mil	Flat	5	150	1.41	32	119
Blue Titanium	H-185	250-300	1 mil	Flat	1	100	1.43	33	58
Bright Nickel	H-157	250-300	1 mil	Flat	3	100	1.40	33	56
Bright Purple	H-217	250	2 mil	Matte	8	150	1.43	36	54
Bright White	H-140	250	2 mil	Semi Gloss	40	150	1.47	37	62
Brown Sand	H-30372	250-300	1 mil	Eggshell	11	150	1.39	31	91
Burnt Bronze	H-148	250-300	1 mil	Flat	1	100	1.43	35	100
Cadex Tan	H-308	250-300	1 mil	Flat	3	150	1.39	34	89
Chocolate Brown	H-258	250-300	1 mil	Flat	3	150	1.39	28	64
Cobalt	H-112	250-300	1 mil	Flat	1	100	1.48	33	48
Cobalt Kinetics™ Green	H-296	250-300	1 mil	Flat	1	100	1.38	34	66
Cobalt Kinetics™ Slate	H-295	250-300	1 mil	Flat	1	100	1.38	34	104
Combat Grey	H-130	250-300	1 mil	Flat	1	150	1.42	36	75
Copper Brown	H-149	250-300	1 mil	Flat	2	150	1.43	34	76
Copper Suede	H-310	250-300	1 mil	Flat	2	100	1.43	38	59
Corvette Yellow	H-144	250-300	2 mil	Gloss	73	150	1.41	34	99
Coyote Tan	H-235	250-300	1 mil	Flat	3	150	1.43	38	88
Crimson	H-221	250-300	1 mil	Satin	29	150	1.39	32	51
Crushed Silver	H-255	250-300	1 mil	Flat	6	100	1.34	29	48
Desert Sage	H-247	250-300	1 mil	Flat	6	150	1.39	30	55
Desert Sand	H-199	250-300	1 mil	Flat	2	150	1.44	33	102
Desert Verde	H-256	250-300	1 mil	Flat	2	150	1.38	30	62
Dewalt® Yellow	H-126	250-300	2 mil	Flat	3	150	1.50	40	109
Electric Yellow	H-166	250-300	2 mil	Semi Gloss	55	150	1.37	36	156
Electrical Barrier Coating	H-900	250	3 mil	Matte	8	150	1.45	51	155
Federal Brown	H-212	250-300	1 mil	Flat	3	150	1.40	29	90
Federal Standard Field Drab	H-30118	250-300	1 mil	Flat	4	150	1.42	31	76
Federal Standard Sabre Sand	H-33446	250-300	1 mil	Eggshell	13	150	1.40	31	45
Flat Dark Earth	H-265	250-300	1 mil	Flat	4	150	1.38	30	81
Forest Green	H-248	250-300	1 mil	Flat	2	150	1.42	34	51
Glock® FDE	H-261	250-300	1 mil	Flat	2	150	1.39	33	79
Glock® Grey	H-184	250-300	1 mil	Flat	3	150	1.40	32	147
Gloss Black	H-109	250-300	1 mil	Semi Gloss	51	150	1.33	43	111
Gold	H-122	250-300	1 mil	Flat	4	100	1.43	30	42
Graphite Black	H-146	250-300	1 mil	Matte	9	150	1.41	31	78
Gun Metal Grey	H-219	250-300	1 mil	Flat	3	100	1.46	36	62
Hidden White	H-242	250	2 mil	Flat	3	150	1.43	38	78
High Gloss Armor Clear	H-300	200-250	0.5 mil	High Gloss	107	325	0.93	30	5
Highland Green	H-200	250-300	1 mil	Flat	1	150	1.38	29	127
Hunter Orange	H-128	250	2 mil	Matte	8	150	1.34	32	65
Jesse James Civil Defense Blue	H-401	250-300	1 mil	Flat	2	150	1.37	32	56
Jesse James Cold War Grey	H-402	250-300	1 mil	Matte	10	150	1.42	33	54
Jesse James Eastern Front Green	H-400	250-300	1 mil	Flat	3	150	1.39	31	95
Kel-Tec® Navy Blue	H-127	250-300	1 mil	Eggshell	16	100	1.43	33	57
Light Sand	H-142	250-300	1 mil	Flat	6	150	1.43	34	52
MagPul™ Flat Dark Earth	H-267	250-300	1 mil	Flat	2	150	1.40	29	63
MagPul™ Foliage Green	H-231	250-300	1 mil	Flat	4	150	1.39	32	109
MagPul™ O.D. Green	H-232	250-300	1 mil	Flat	2	150	1.43	33	82

# CERAKOTE<sup>®</sup>

## H SERIES

### Technical Data Sheet (TDS)

Part 1 Pg. 2

Colors	Item No.	Recommended Cure Temp (F°) <sup>†</sup>	Recommended Mil Thickness	Gloss Level*	Gloss Units*	Strainer Size (mesh)	Density (g/mL)	%Solids	Viscosity (cP)**
MagPul™ Stealth Grey	H-188	250-300	1 mil	Flat	2	150	1.39	31	40
Matte Armor Clear	H-301	200-250	0.5 mil	Semi Gloss	51	325	0.93	33	6
Matte Brown	H-7504	250-300	1 mil	Flat	4	150	1.38	32	91
McMillan Tan	H-203	250-300	1 mil	Matte	8	150	1.39	31	47
Midnight Blue	H-238	250-300	1 mil	Satin	22	150	1.44	33	81
Midnight Bronze	H-294	250-300	1 mil	Flat	2	100	1.41	33	55
Mil Spec Green	H-264	250-300	1 mil	Matte	8	150	1.46	36	64
Mil Spec O.D. Green	H-240	250-300	1 mil	Flat	1	150	1.42	32	86
Mojito	H-313	250-300	1 mil	Matte	9	100	1.50	41	70
Mud Brown	H-225	250-300	1 mil	Matte	7	150	1.45	35	76
MultiCam® Green	H-204	250-300	1 mil	Flat	3	150	1.40	32	95
Noveske Bazooka Green	H-189	250-300	1 mil	Flat	5	150	1.41	33	40
Noveske Tiger Eye Brown	H-187	250-300	1 mil	Flat	5	150	1.43	33	40
NRA Blue	H-171	250-300	1 mil	Flat	4	150	1.39	32	62
O.D. Green	H-236	250-300	1 mil	Flat	2	150	1.49	40	77
Pastel Purple	H-138	250	2 mil	Matte	7	150	1.46	37	55
Patriot Brown	H-226	250-300	1 mil	Flat	2	150	1.43	32	46
Pink Champagne	H-311	250-300	1 mil	Flat	4	100	1.37	33	124
Plum Brown	H-298	250-300	1 mil	Flat	5	150	1.42	32	70
Polar Blue	H-326	250-300	1 mil	Flat	3	100	1.45	40	57
Prison Pink	H-141	250	2 mil	Flat	3	150	1.36	35	88
Ral 8000	H-8000	250-300	1 mil	Matte	8	150	1.41	32	57
Ridgeway Blue	H-220	250-300	1 mil	Flat	3	150	1.45	34	64
Robin's Egg Blue	H-175	250-300	1 mil	Eggshell	17	150	1.47	40	70
Satin Aluminum	H-151	250-300	1 mil	Eggshell	17	100	1.38	33	44
Satin Mag	H-147	250-300	1 mil	Flat	3	100	1.37	27	53
Savage Stainless	H-150	250-300	1 mil	Flat	3	100	1.39	27	46
Sea Blue	H-172	250-300	1 mil	Flat	3	150	1.49	37	52
Shimmer Aluminum	H-158	250-300	1 mil	Flat	4	100	1.38	29	65
Sig™ Dark Grey	H-210	250-300	1 mil	Flat	3	150	1.45	34	66
Sig™ Pink	H-224	250-300	2 mil	Matte	7	150	1.38	35	127
Sky Blue	H-169	250-300	1 mil	Flat	5	150	1.42	36	65
Smith & Wesson® Grey	H-214	250-300	1 mil	Matte	7	150	1.42	34	152
Smith & Wesson® Red	H-216	250-300	1 mil	Matte	9	150	1.37	30	112
Smith & Wesson® Tan	H-307	250-300	1 mil	Flat	3	150	1.46	35	85
Sniper Green	H-229	250-300	1 mil	Flat	2	150	1.38	34	68
Sniper Grey	H-234	250-300	1 mil	Flat	1	100	1.44	39	60
Snow White	H-136	250	2 mil	Flat	5	150	1.54	45	159
Socom Blue	H-245	250-300	1 mil	Matte	8	150	1.38	33	61
Springfield® FDE	H-305	250-300	1 mil	Flat	3	150	1.42	36	61
Springfield® Grey	H-304	250-300	1 mil	Flat	3	150	1.45	43	95
Stainless	H-152	250-300	1 mil	Flat	2	100	1.42	29	38
Steel Grey	H-139	250-300	1 mil	Matte	9	150	1.41	32	46
Stone Grey	H-262	250-300	1 mil	Flat	2	150	1.39	29	31
Stormtrooper White	H-297	250	2 mil	High Gloss	87	150	1.62	48	39
Tactical Grey	H-227	250-300	1 mil	Flat	2	100	1.46	35	46
Titanium	H-170	250-300	1 mil	Flat	3	100	1.39	27	45
Troy® Coyote Tan	H-268	250-300	1 mil	Flat	4	150	1.43	36	60
Tungsten	H-237	250-300	1 mil	Flat	3	100	1.45	29	32
USMC Red	H-167	250-300	1 mil	Satin	26	150	1.37	32	120
Vortex Bronze	H-293	250-300	1 mil	Flat	1	100	1.43	33	59
Wild Purple	H-197	250-300	2 mil	Flat	3	150	1.47	40	73
Zombie Green	H-168	250-300	1 mil	Flat	2	150	1.45	35	43

# CERAKOTE<sup>®</sup>

## H SERIES

### Technical Data Sheet (TDS)

Part 1 Pg. 3

**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.

**\*\*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:  $\Delta E$  change of <2.5
- Good:  $\Delta E$  change of <3.0
- Fair:  $\Delta E$  change of <3.5
- Poor:  $\Delta E$  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.

**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](mailto:info@cerakote.com) or call us at 1-866-774-7628 if you have any questions.**

# CERAKOTE®

## H SERIES

### Technical Data Sheet (TDS)

Part 2 Pg. 1

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
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	1000+	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 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
Dewalt® Yellow	H-126	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
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
Hidden White	H-242	2000+	500+	250	0	Excellent	Fair
High Gloss Armor Clear	H-300	2000+	500+	300	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

# CERAKOTE®

## H SERIES

### Technical Data Sheet (TDS)

Part 2 Pg. 2

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
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+	300	0	Poor	Fair
Matte Brown	H-7504	2000+	500+	350	0	Excellent	Good
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	1000+	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
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	1000+	500+	350	0	Excellent	Good
Plum Brown	H-298	2000+	500+	500+	0	Excellent	Good
Polar Blue	H-326	1000+	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
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
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
Tactical Grey	H-227	2000+	500+	400	0	Excellent	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

# CERAKOTE®

## H SERIES

### Technical Data Sheet (TDS)

Part 2 Pg. 3

**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.

**\*\*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:  $\Delta E$  change of <2.5
- Good:  $\Delta E$  change of <3.0
- Fair:  $\Delta E$  change of <3.5
- Poor:  $\Delta E$  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.

**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](mailto:info@cerakote.com) or call us at 1-866-774-7628 if you have any questions.**

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# CERAKOTE®

## H SERIES

### Technical Data Sheet (TDS)

Part 3 Pg. 1

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 <sup>2</sup> )
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
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 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
Dewalt® Yellow	H-126	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	324
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	120 in-lbs	120 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
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
Hidden White	H-242	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	302
High Gloss Armor Clear	H-300	6H	5H	5B	98% Resistance	80 in-lbs	80 in-lbs	947
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	5H	4H	5B	98% Resistance	60 in-lbs	60 in-lbs	1044
Matte Brown	H-7504	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	514
McMillan Tan	H-203	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	502

# CERAKOTE®

## H SERIES

### Technical Data Sheet (TDS)

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 <sup>2</sup> )
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
Noveske Bazooka 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
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	160 in-lbs	160 in-lbs	542
Smith & Wesson® Red	H-216	9H	8H	5B	100% Resistance	160 in-lbs	160 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
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
Tactical Grey	H-227	9H	8H	5B	100% Resistance	160 in-lbs	160 in-lbs	563
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	160 in-lbs	160 in-lbs	568



# CERAKOTE<sup>®</sup>

## H SERIES

### Technical Data Sheet (TDS)

Part 3 Pg. 3

**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.

**\*\*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:  $\Delta E$  change of <2.5
- Good:  $\Delta E$  change of <3.0
- Fair:  $\Delta E$  change of <3.5
- Poor:  $\Delta E$  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.

**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](mailto:info@cerakote.com) or call us at 1-866-774-7628 if you have any questions.**