

Spectrum E-Coat

Approved Specification List

| Engineering Specification | Substrate | Salt Spray Hours |
|-------------------------------------|------------------------|------------------|
| AM General | | |
| TT-C-490E | CRS, HRS | 1000 |
| AMERICAN AXLE | | |
| MS-4005 | CRS, HRS, HDG, HIA, AL | 168 |
| ARVIN MERITOR | | |
| P25 | CRS, HRS, HDG, HIA, AL | 200 |
| Autoliv | | |
| E2400279 (EP168B) | CRS, HRS, HDG, HIA, AL | 168 |
| BEHR | | |
| M-1153 | CRS, HRS, HDG, HIA, AL | See Spec |
| BENDIX | | |
| BW-329-P | CRS, HRS, HDG, HIA, AL | 300 |
| Y120536 (BRAKE SHOE) | CRS, HRS, HDG, HIA, AL | |
| Y120536 (DUST SHIELD) | CRS, HRS, HDG, HIA, AL | |
| BMW | | |
| BMW S 600 87.0 LA SW 1 | | NA |
| GS 90011 LA SW 1 | CRS, HRS, HDG, HIA, AL | NA |
| GS 90011 LA SW 2 | CRS, HRS, HDG, HIA, AL | NA |
| GS 90011 LA SW 3 | CRS, HRS, HDG, HIA, AL | NA |
| BORG WARNER COOLING | | |
| 01ES00002 | CRS, HRS, HDG, HIA, AL | Per print or 250 |
| BOSCH | | |
| 6 002 674 003 | CRA, HRS, HIA | 480 |
| ES-2531 | CRA, HRS | 1000 |
| BROSE | | |
| 562161-106 | CRS, HRS, HDG, HIA, AL | |
| 562162-103/1002 | CRS, HRS, HDG, HIA, AL | 96 |
| CATERPILLAR | | |
| 1E1267 | CRS, HRS, HDG, HIA, AL | 96 |
| CLUB CAR, CLASS II | | |
| 102466101 | CRS, HRS, HIA | >300 |
| CONTINENTAL TEVES | | |
| ATE N 106 36.31 (Ob No. 301/4) | CRS, HRS | NA |
| ATE N 550 60.01 (Type of Finish L7) | CRS, HRS | 600 |
| CUMMINGS | | |
| 21073 | CRS, HRS, HIA | 750 |
| DANA | | |
| M-2008 | CRS, HRS, HIA | 500 |
| SHAES176 | | 168 |
| DAYCO | | |
| DES-F004 (Except 2.3 & 2.4) | CRS, HRS, HDG, HIA, AL | 336 |
| DELBAR | | |
| DPS 78 | CRS, HRS, HDG, HIA, AL | See Spec |
| DELPHI | | |

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|--|------------------------|---------------------|
| DCM 5188 | CRS, HRS, HDG, HIA, AL | 336 |
| DM-6081 (See DX650059) | CRS, HRS, HDG, HIA, AL | 168 |
| DX 550043 | CRS, HRS, HDG, HIA, AL | NA |
| DX650059 | CRS, HRS, HDG, HIA, AL | See Spec |
| DENSO | | |
| D 1N 02 B1-TFE13 (DDS 2346) | CRS, HRS, HIA | 840 |
| D 1N 02 B1-TFE13 (DDS 6700-001) | CRS, HRS, HIA | 750 |
| D 1N 02 B1-TFE21 (DDS 6700-001) | CRS, HRS, HIA | 384 |
| D 1N 02 B1-TFE23 (DDS 2346) | CRS, HRS, HIA | 480 |
| DEXTER AXLE | | |
| ES-1039 | CRS, HRS, HIA | 500 |
| DIAMLER | | |
| 49-00091 | CRS, HRS, HDG, HIA, AL | |
| EATON | | |
| ES-560C | | 500 |
| TES 005 | | 96 |
| FCA | | |
| CS 9003 (Meets environmental requirements) | | NA |
| MS.90089 (D1A, C1) | CRS, HRS, HDG, HIA, AL | |
| MS.90112 | CRS, HRS, HDG, HIA, AL | |
| MS.90124 (See PS7232) | CRS, HRS, HDG, HIA, AL | |
| MS-PB45-1 | CRS, HRS, HDG, HIA, AL | 360 |
| MS-PB45-2 | CRS, HRS, HDG, HIA, AL | 360 |
| MS-PB60-2C | CRS, HRS, HDG, HIA, AL | 240, 360 |
| PF-7051 | CRS, HRS, HDG, HIA, AL | 0 |
| PS-508 | | 0 |
| PS-7232 | | 0 |
| Federal Mogul | | |
| CPD-722(A) | CRS, HRS, HDG, HIA, AL | 1000 |
| FIAMM | | |
| FI-1000 | CRS, HRS, HDG, HIA, AL | 480 |
| RD-ST00050 | ZC PL | 1000 |
| RD-ST00051 | CRS | 1000 |
| RD-ST00066 | CRS, HRS, HDG, HIA, AL | 1000 |
| RD-ST00078 | CRS, HRS, HDG, HIA, AL | |
| FORD | | |
| ESA-M2P15-A | | |
| ESA-M64J19-B1 to B4 | CRS, HRS | 1000 |
| ESB-M2P129-B | CRS, HRS | 500 |
| ESB-M2P28-B | CRS, HRS, HDG, HIA, AL | 96 parts 168 panels |
| ESB-M2P29-A | CRS, HRS, HDG, HIA, AL | 120 panels 48 parts |
| ESB-M2P29-B | CRS, HRS, HDG, HIA, AL | 48 parts 120 panels |
| ESB-M2P30-A | CRS, HRS, HDG, HIA, AL | 96 panels 24 parts |
| ESB-M2P30-B | CRS, HRS, HDG, HIA, AL | 24 parts 96 panels |
| ESB-M2P6-C | CRS, HRS, HIA | 500 |
| ESB-M64J12-B | | 240 |
| ESB-M64J19-A1 to A4 | | 360 |
| ESE-M2P128-A | | 168 |
| ESN-M2P86-A | CRS, HRS, HDG, HIA, AL | 96 |
| WSB-M64J28-A1 to A4 | CRS, HRS, HDG, HIA, AL | 500 |

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|--|------------------------|------------------|
| WSB-M64J36-A1 to A4 | | 500 |
| WSK-M2P149-A1 | CRS, HRS, HDG, HIA, AL | 240 |
| WSK-M2P149-A2 | CRS, HRS, HIA | 240 - 480 |
| WSK-M2P151-A1 to A3 (Excluding 3.5.4) | CRS, HRS, HDG, HIA, AL | 24-72 |
| WSK-M2P152-A1 (Excl. top coat, powder) | CRS, HRS, HDG, HIA, AL | 96 |
| WSK-M2P152-A2 (Excl. top coat, powder) | CRS, HRS, HDG, HIA, AL | 120 |
| WSK-M2P152-A3 (Excl. top coat, powder) | CRS, HRS, HDG, HIA, AL | 240 |
| WSK-M2P153-A1 to A5 | CRS, HRS, HDG, HIA, AL | 16 - 480 |
| WSK-M2P153-A6 | CRS, HRS, HIA | 16 - 480 |
| WSK-M2P157-A1 to A3 | CRS, HRS, HDG, HIA, AL | 96 |
| WSS-M2P177-A1 to A2 | CRS, HRS, HDG, HIA, AL | 480 |
| WSS-M2P177-A3 to A5 | CRS, HRS, HIA | 480 |
| WSS-M2P177-B1 to B2 | CRS, HRS, HDG, HIA, AL | NA - Cycle |
| WSS-M2P177-C1 to C3 | CRS, HRS, HDG, HIA, AL | NA - Cycle |
| WSS-M2P185 A1 TO A2 | CRS, HRS, HIA | 480 |
| WSS-M2P185 A3 TO A4 | CRS, HRS, HDG, HIA, AL | 96 |
| WSS-M64J39-A1 to A5 (Satellite line) | CRS, HRS, HDG, HIA, AL | 960 |
| WSS-M64J40 (Exclude 3.7.7 Edge Corr.) | | 960 |
| FREIGHTLINER | | |
| 49-00023 (101) | | 500 |
| 49-00023 (102) | | 240 |
| 49-00023 (103) | | 96 |
| 49-00099-004 | | 500 |
| FUJI | | |
| TS430-7-89 | CRS, HRS, HDG, HIA, AL | NA |
| FUTURIS | | |
| FIS-1062 | CRS, HRS, HDG, HIA, AL | 720 |
| GM | | |
| GM 4350-M X.XXX | CRS, HRS, HDG, HIA, AL | 336 |
| GM 9984017 | CRS, HRS, HDG, HIA, AL | 0 |
| GM 9984090 (ZN Phos immersion) | CRS, HRS, HDG, HIA, AL | 0 |
| GM 9984120 | CRS, HRS, HDG, HIA, AL | 168 |
| GM 9984120 / 4350-M C-0 | CRS, HRS, HDG, HIA, AL | 336 |
| GM 9984120 / 4350-M A-168 | CRS, HRS, HDG, HIA, AL | 168 |
| GM 9984120 / 4350-M A-336 | CRS, HRS, HDG, HIA, AL | 336 |
| GM 9984120 / 4350-M A-96 | CRS, HRS, HDG, HIA, AL | 96 |
| GM 9984120 / 4350-M C-24 | CRS, HRS, HDG, HIA, AL | 24 |
| GM 9984123 (ZN Phos) | CRS, HRS, HDG, HIA, AL | NA |
| GM 9986165 | | 1000 |
| GMW 14669 | CRS, HRS, HDG, HIA, AL | 24 |
| GMW 14669 (B3) | CRS, HRS, HDG, HIA, AL | |
| GMW 14669 B3 | CRS, HRS, HDG, HIA, AL | 336 |
| GMW 14671-A | CRS, HRS, HDG, HIA | 336 |
| GMW 14671-B | CRS, HRS, HDG, HIA | 336 |
| GMW 14671-F (See Print for Spec U/B, U/H) | CRS, HRS, HDG, HIA, AL | 336 |
| GMW 17698 EXTERIOR | CRS, HRS, HDG, HIA, AL | |
| GMW 17698 INTERIOR | CRS, HRS, HDG, HIA, AL | |
| GMW 17699 (Zinc Phos) | CRS, HRS, HDG, HIA, AL | |
| GMW3059 (Meets environmental requirements) | | NA |
| GORDON MFG | | |
| 4101 | CRS, HRS, HDG, HIA, AL | 96 |

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|---|------------------------|------------------|
| HARLEY DAVIDSON | | |
| ES 805-43101 - A1 | CRS, HRS, HDG, HIA, AL | 168 |
| HAWORTH | | |
| ES 1038 | CRS, HRS, HDG, HIA, AL | 72 |
| ES-1039 | | 72 |
| HERMAN MILLER | | |
| PR-132 | CRS, HRS, HDG, HIA, AL | 0 |
| SI-287 | CRS, HRS, HIA | 150 |
| HINO | | |
| HS K 1010 | CRS, HRS, HDG, HIA, AL | See Spec |
| HTSH3128 | CRS, HRS, HIA | 96-840 |
| HONDA | | |
| 5100 Z SGO-000 | HIA | 480 |
| 5100 Z-TR0-6000 (Galvaneal/Galvanize Only) | HIA | 960 |
| HES D 2016-06 Class 1 Grade 1 & 2 | Iron (CRS, HRS) | 24 |
| HES D 2016-06 Class 2 Grade 1 | AL | 48 |
| HES D 2016-06 Class 3 Grade 1 | Mag. | |
| HES D 2016-06 Class 4 Grade 1 & 2 | Zn | |
| HES D 2016-06 Class 5 Grade 1 & 2 | SS | |
| HES D 2021-07 Grade 1 | CRS, HRS, HDG, HIA, AL | 24/48 |
| HES D 2021-07 Grade 2 | CRS, HRS, HDG, HIA, AL | 72/120 |
| HES D 2021-07 Grade 3 | CRS, HRS, HDG, HIA, AL | 120/240 |
| HES D 2021-07 Grade 4 | CRS, HRS, HDG, HIA, AL | 240/480 |
| HES D 2021-07 Grade 5 | CRS, HRS, HIA | 600/1000 |
| HES D2028-07 Grade 1 | CRS, HRS, HDG, HIA, AL | 48 |
| INALFA | | |
| IES 06.017-096 | CRS, HRS, HDG, HIA, AL | 96-480 |
| IES 06.017-144 | CRS, HRS, HDG, HIA, AL | 96-480 |
| IES 06.017-240 | CRS, HRS, HDG, HIA, AL | 96-480 |
| IES 06.017-480 | CRS, HRS, HIA | 96-480 |
| IES.20.004 Gloss 0, 3; Exc SO2, Outdoor, Edg Corr | CRS, HRS, HDG, HIA, AL | See Spec |
| INTERNATIONAL/NAVISTAR | | |
| CEMS G-5, Part I, Sec. A Class A Primer | CRS, HRS, HIA | 500 |
| CEMS G-5, Part I, Sec. A Class B Primer | CRS, HRS, HIA | 250 |
| CEMS G-5, Part I, Sec. A Class D Primer | CRS, HRS, HIA | NA |
| CEMS G-5, Part I, Sec. A Class E Primer | CRS, HRS, HIA | 250 |
| CEMS G-5, Part I, Sec. A Class F Primer | CRS, HRS, HIA | 100 |
| CEMS G-5, Part I, Sec. A Class G Primer | CRS, HRS, HIA | 100 |
| EMS G05-5001 | CRS, HRS, HIA | 100 |
| TMS-9009 | CRS, HRS, HIA | 250 |
| ISUZU | | |
| 1SC-B51-001C | CRS, HRS, HDG, HIA, AL | See Spec |
| JAGEMANN | | |
| 5B011 | CRS, HRS, HDG, HIA, AL | 168 |
| JCI | | |
| MEPM-PLUS-SP-04-07-05-E | CRS, HRS, HDG, HIA, AL | 0 |
| KEY SAFETY SYSTEMS | | |
| E50266 | CRS, HRS, HDG, HIA, AL | 72 |
| LUCAS/VARITY | | |

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|---------------------------------------|------------------------|------------------|
| S-121934 01 B | CRS, HRS, HDG, HIA, AL | NA |
| MACK TRUCK | | |
| 617 GS 133 | CRS,HRS, HIA | 480 |
| MAGNA - DONNELLY | | |
| PD-1225 | CRS, HRS, HDG, HIA, AL | NA |
| MAZDA | | |
| MES MN 600 TXX CO1-CO8 (CRS) | CRS | 120 |
| MES MN 600 TXX CO41-CO6 (Galvanize) | HDG | 72 |
| MES MN 600 TXX-CO1-CO6 (Aluminum) | ALUMINUM | 12 |
| MERCEDES-BENZ | | |
| DBL 7381-00/10/20/22 (Excluding 4.24) | CRS, HRS, HDG, HIA, AL | 504 |
| DBL 7382 | CRS, HRS, HDG, HIA, AL | |
| DBL 7390-50 | CRS, HRS, HDG, HIA, AL | 504 |
| DBL 7391-04/54, 60 | CRS, HRS, HDG, HIA, AL | 240-504 |
| DBL 7392-50 | CRS, HRS, HDG, HIA, AL | 72 |
| MILITARY | | |
| A-A52474A | CRS, HRS | 1000 |
| MIL-P-53084 (ME) (Black only) | CRS, HRS | 1000 |
| MILWAUKEE WIRE PRODUCTS | | |
| 457-0002-1 | CRS, HRS, HDG, HIA, AL | 500 |
| MISHAWAKA | | |
| MES-722 | CRS, HRS | 240 |
| MITSUBISHI | | |
| ES-X 71221 | | 720 |
| ES-X71224 | | 0 |
| MODINE APPLIED THERMAL INN | | |
| CP-6 | CRS, HRS, HIA | 500 |
| NISSAN | | |
| 54400-NDS00 S-I | CRS, HRS | 800 |
| NES-M 5050 | CRS, HRS, HIA | NA |
| NES-M 5083 (CED Only) | CRS, HRS, HIA | 800 |
| PACCAR | | |
| CMT-0030 (Aluminum Sheet) | ALUMINUM | CASS |
| CMT-0030 (Hot rolled pickle & oil) | HRS | 168 |
| CMT-0048 (Aluminum Sheet) | ALUMINUM | CASS |
| CMT-0048 (Hot rolled pickle & oil) | HRS | 336 |
| CMT-0048 TYPE II (CRS) | CRS | 336 |
| CS-0031 (CRS) | CRS | 336 |
| DAF LAK 60009 (Excluding 4.3.1) | HRS | 240 |
| Schafer Driveline | | |
| FES-FINISH-ECOAT1 | CRS, HRS, HDG, HIA, AL | 500 |
| SIEMENS | | |
| MPS-5062 | CRS, HRS, HDG, HIA, AL | 240 |
| Stryker | | |
| ES-0882 | CRS, HRS, HDG, HIA, AL | |
| TENNECO | | |
| PS-152.04 | CRS, HRS, HIA | 400 |

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|--|------------------------|------------------|
| TESLA | | |
| TM-0023F-P-EC | | 500 |
| TM-0023F-P-EC (Exclude Sec. 3.6.3) | ALL | |
| TM-5001 | CRS, HRS, HDG, HIA, AL | 96 |
| TM-5001 GRADE 10, 11 | CRS, HRS, HDG, HIA, AL | 96 |
| TM-5001 GRADE 20, 30 | CRS, HRS, HDG, HIA, AL | |
| TOYOTA | | |
| TIS 01206-00050-A, TIS 1206-01003-A | CRS, HRS, HIA | 720 |
| TIS 01206-00051-A, TIS 01206-01004-A | CRS, HRS | 960 |
| TIS 01206-00056 | CRS, HRS, HIA | 840 |
| TIS 01206-00343 | CRS, HRS, HIA | 720 |
| TIS 01206-00344 | CRS, HRS, HDG, HIA, AL | 960 |
| TIS 01206-01009 | CRS, HRS, HIA | 840 |
| TIS 01248-00092 | CRS, HRS, HDG, HIA, AL | See Spec |
| TIS 01277-00065 (Stainless Steel Only) | SS | 840 |
| TSH 2354 G (CRS) | CRS | 840 |
| TSH 2354 G (Galvneal) | HIA | 480 |
| TSH 3600 G | Phosphate Spec | 0 |
| TSZ0001G (Meet environmental requirements) | | NA |
| TRELLEBORG | | |
| TES-5820 | CRS, HRS, HDG, HIA, AL | 240 |
| TRW | | |
| 045416 | CRS, HRS, HDG, HIA, AL | 360 |
| 045635 | CRS, HRS, HDG, HIA, AL | 500 |
| 045638 | CRS, HRS, HDG, HIA, AL | See Spec |
| S-121934 01 C | CRS, HRS | |
| TRW MS 00019 | CRS, HRS, HDG, HIA, AL | 48 |
| TRW MS 00081 | CRS, HRS, HDG, HIA, AL | 48 |
| TS2-24-015 | CRS, HRS, HDG, HIA, AL | 500 |
| VIBRACOUSTIC | | |
| TES-90000_5 | CRS, HRS, HDG, HIA, AL | 240-480 |
| VIKING | | |
| SPF02-W01 | CRS, HRS, HDG, HIA, AL | 0 |
| VOLKSWAGEN | | |
| TL 227 | HIA, HDG | 0 |
| TL 260 | CRS, HRS, HDG, HIA, AL | 240 |
| VOLVO | | |
| STD 121-0001 (Y600-1, Y600-2) | | |
| VCS 5751, 59 (A1, B1, C1, D1, E1) | CRS, HRS, HDG, HIA, AL | |
| VSC 5751, 59 (Class A1, B1, C1, D1, E1) | CRS, HRS, HDG, HIA, AL | |
| WARNER ELECTRIC | | |
| MP-347 (Section 5 & 6 only) | CRS, HRS, HDG, HIA, AL | 168 |
| WHIRLPOOL | | |
| WM-3561- A6 | CRS, HRS, HIA | 500 |
| YH AMERICA | | |
| YES053 | | See Spec |

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