

## International Material Data System

### What is IMDS?

The International Material Data System (IMDS) is the web-based, electronic system adopted by the world's leading automotive OEMs to archive all materials that are used to manufacture vehicles. The system originated as a joint development between Audi, BMW, Daimler, Ford, Opel, Porsche, Volkswagen, and Volvo.

### Why was the system developed?

IMDS provides a common system for archiving and maintaining a database of materials used in vehicles. The system serves as the basis for ensuring that OEMs and their suppliers are in compliance with international and national standards, laws, and regulations. In the future, the database will facilitate the recycling of scraped vehicles.

### Membership

Since its inception, other manufacturers have joined the group. The community now includes BMW, Chrysler, Daimler, Fiat, Ford, Fuji Heavy Industries, General Motors, Hyundai, Isuzu, Mazda, Mitsubishi, Nissan, Nissan Diesel, Porsche, Renault, Shanghai GM, Ssangyong, Suzuki, Toyota, Volkswagen, and Volvo.

### Reporting Responsibility

It is the responsibility of Tier 1 suppliers to submit the necessary information into the database. However, the responsibility is frequently delegated to supplier partners, such as Enthone, to update the database. Each supplier is required to register prior to using the system.

### Enthone Product Codes

The following pages provide product code listings that are regularly requested by applicators utilizing Enthone processes. To obtain revisions to this listing, please contact [enthone@cooksonelectronics.com](mailto:enthone@cooksonelectronics.com) or visit [enthoneAuto.com](http://enthoneAuto.com).

For more information on IMDS, please visit [www.mdsystem.com/](http://www.mdsystem.com/)





Category	Enthone Product	IMDS ID
Anodized Al, black	OXALOR	78830831
Anodized Al, blue	OXALOR	91711242
Antitarnish	ENTEK <sup>®</sup> CU-106A	52925428
Antitarnish	ENTEK NR 40	44522138
Antitarnish	ENTEK PLUS Cu-106A(X)	52925428
Antitarnish	ENTEK PLUS CU-307 A	52925428
Antitarnish	ENTEK PLUS HT	52925428
Antitarnish	METAPREP <sup>®</sup> AG	65235265
Antitarnish for Ag	EVABRITE <sup>®</sup>	41943445
Base coat for POP	ENPLATE <sup>®</sup> BC-803	19340967
Chromate film black Zn	ENTHOX <sup>®</sup> 742	899586
Chromate film black Zn	ENTHOX 775/776	899586
Chromate film black Zn/Ni		900836
Chromate film black ZnFe/ZnCo	ENTHOX 7780	900844
Chromate film blue transp. Zn/ZnFe/ZnNi		899505
Chromate film olive Zn/ZnFe/ZnCo/ZnNi	ENTHOX 734	900850
Chromate film olive Zn/ZnFe/ZnCo/ZnNi	ENTHOX 780	900850
Chromate film Sn/Zn		3275947
Chromate film yellow Al	PASSAL	15360757
Chromate film yellow Al and Al-Legierungen		24871619
Chromate film yellow Zn/ZnFe/ZnNi	ENTHOX 726	899343
Chromate film yellow Zn/ZnFe/ZnNi	ENTHOX 747	899343
Chromate film yellow Zn/ZnFe/ZnNi	ENTHOX 754	899343
Chromate film yellow Zn/ZnFe/ZnNi	ENTHOX 7748	899343
Coloring black	EBONOL <sup>®</sup> SS-48	50493824
Coloring black for Zn	EBONOL Z	53075550
Corrosion protection film	ENTHOX Sealer	70722820
Cu antitarnish	ENTEK CU-56 P	87363146
Electroless Au (electroless deposited Au layer)	LECTROLESS <sup>®</sup> FX1	10648379
Electroless Cu (Electroless deposited Cu coating)	ENPLATE 872	926933
Electroless Cu (Electroless deposited Cu coating)	ENPLATE 9070	926933
Electroless Ni free of Pb and Cd, 10 - 12% phosphor	ENPLATE Ni-333 LF	32698011
Electroless Ni free of Pb and Cd, 10 -12% phosphor	ENPLATE Ni-422 LF	32699006
Electroless Ni free of Pb and Cd, 7 - 8.5% phosphor	ENPLATE Ni-806	32697115
Electroless Ni free of Pb and Cd, 7 - 8.5% phosphor	ENPLATE Ni-807	32697115
Electroless Ni free of Pb and Cd, 7,5 - 10 % phosphor	ENfinity <sup>®</sup> 9 LF (Mid Phos)	32696178
Electroless Ni, 10 -12 % phosphor, free of Pb and Cd	ENfinity 9 LF (High Phos)	32697666
Electroless Ni, high phos, free of Pb and Cd	ENPLATE EN-807	35564576
Electroless Ni/PTFE	ENPLATE 380 LF	35202629
Electroless Ni/PTFE	ENPLATE 385	35202629
Electroless Ni/PTFE	ENPLATE Ni-380	35202629

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Category	Enthone Product	IMDS ID
Electroless Ni-P (1%-5%) (electroless deposited Ni-layer with low P-content)	ENfinity® 4 LF	10647334
Electroless Ni-P (5%-14%) (electroless deposited Ni-layer with high P-content)	ENfinity 12	10647531
Electroless Ni-P (5%-14%) (electroless deposited Ni-layer with high P-content)	ENfinity 12 LF	10647531
Electroless Ni-P (5%-14%) (electroless deposited Ni-layer with high P-content)	ENPLATE® NI 412	10647531
Electroless Ni-P (5%-14%) (electroless deposited Ni-layer with high P-content)	ENPLATE NI 623E	10647531
Electroless Ni-P (5%-14%)+PTFE (Electroless Ni-P (1%-5%) (electroless deposited Ni-layer with high P-content)	ENPLATE Ni-380 LF	114067894
Electroless Ni-P (5%-14%)+PTFE (Electroless Ni-P (1%-5%) (electroless deposited Ni-layer with high P-content)	ENPLATE Ni-380 Plus	114067894
Electroless Ni-P (5%-14%)+SiC (Electroless Ni-P (1%-5%) (electroless deposited Ni-layer with high P-content)		114067933
Electroless NiP (electroless deposited Ni-layer for plastic components)	UDIQUÉ® 891	45966700
Electroless NiP (electroless deposited Ni-layer for plastic components)	ULTRAPLAST BL 2310	45966700
Electroless Sn (electroless deposited Sn layer)		10648480
Emulsion for corrosion protection	ENTEK® RSO	80783181
e-plate (Hard Ag)	SILVREX® R-107	757803
e-plate Ag	ARGOSTAR®	757767
e-plate Ag	AROPHAN	757767
e-plate Ag	SILVREX® GMS	757767
e-plate Ag	SILVREX LCB	757767
e-plate Ag	SILVREX S	757767
e-plate Au	ARTFORM®	757906
e-plate Au	AUROBOND®	757906
e-plate Au	AUROFLASH®	757906
e-plate Au	ECOLOY®	757906
e-plate Au	PTS®	757906
e-plate Au	SEL-REX® AU	757906
e-plate Au (functional) (electrodeposited functional Au Coatings)	MICROFAB® AU	757906
e-plate Au (functional) (electrodeposited functional Au Coatings)	PUR-A-GOLD®	757906
e-plate Au (Hard Au) (electrodeposited Hard Au Coatings)	AUROBOND TN	758038
e-plate Au (Hard Au) (electrodeposited Hard Au Coatings)	AUTRONEX®	758038
e-plate Au (Hard Au) (electrodeposited Hard Au Coatings)	KARATCLAD®	758038
e-plate Au (Hard Au) (electrodeposited Hard Au Coatings)	ULTRACLAD®	758038
e-plate Brass	TRIUMPF 10	736946
e-plate Bronze white without Pb	BRONZEX® AF	736957
e-plate Bronze white without Pb	BRONZEX SW	736948
e-plate Bronze white without Pb	BRONZEX WJ	736948
e-plate Bronze white without Pb	BRONZEX WMR	736948

Note: e-plate = electroplate

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Category	Enthone Product	IMDS ID
e-plate Bronze white without Pb	SEL-REX <sup>®</sup> QUATRO	736948
e-plate Bronze yellow	BRONZEX <sup>®</sup> SW	736971
e-plate Bronze yellow	BRONZEX WJ	736971
e-plate Bronze yellow	BRONZEX WMR	736971
e-plate Bronze yellow	SEL-REX QUATRO	736971
e-plate Cr (Bright-, Dull-, Hard-)	ANKOR <sup>®</sup> 1120	756617
e-plate Cr (Bright-, Dull-, Hard-)	ANKOR 1120H	756617
e-plate Cr (Bright-, Dull-, Hard-)	ANKOR 1120R	756617
e-plate Cr black	ANKOR 1131	10629626
e-plate Cr black	ANKOR NEROSTAR	10629626
e-plate Cr colored	TRICROLYTE <sup>®</sup> IV	63172962
e-plate Cr colored	TRILYTE <sup>®</sup> Dusk	63172962
e-plate Cu	CUPROSTAR <sup>®</sup> 1525	736943
e-plate Cu	CUPROSTAR 1550	736943
e-plate Cu	CUPROSTAR 1560	736943
e-plate Cu	CUPROSTAR 1570	736943
e-plate Eloxal (electrolytical oxidised Al-Materials)		827507
e-plate Ni (bright)	ELPELYT <sup>®</sup> GS6	749088
e-plate Ni (bright)	ELPELYT GS7	749088
e-plate Ni (bright)	ELPELYT LS1	749088
e-plate Ni (bright)	ELPELYT SF/PP	749088
e-plate Ni (bright)	UDYLITE <sup>®</sup> 66	749088
e-plate Ni (high-sulphur)	LECTRO-NIC <sup>®</sup>	756348
e-plate Ni (microcrack)	ELPELYT MR	748084
e-plate Ni (microporous)	DUR-NI <sup>®</sup> 4000	748651
e-plate Ni (semi-bright)	ELPELYT E10X	114806927
e-plate Ni (semi-bright)	LECTRO-NIC	114806927
e-plate Ni (semi-bright)	UDYLITE <sup>®</sup> BTL	114806927
e-plate Ni (Watts)	ELPELYT Nickelbad W-Z	748706
e-plate Ni black	BLACK PEARL <sup>®</sup>	14084076
e-plate Ni Satin Nickel	ELPELYT PEARLBRITE <sup>®</sup>	7244019
e-plate Pb	STANNOSTAR <sup>®</sup>	10627548
e-plate Pd	DECOREX <sup>®</sup> NF	758099
e-plate Pd	PALLADEX <sup>®</sup> 4000	758099
e-plate Pd-activator	UDIQUÉ <sup>®</sup> 897W	4145068
e-plate PdNi	PALLADEX 8020	758265
e-plate PdNi	PALLADEX 9010	758265
e-plate PdNi	PALLADEX DPA	758265
e-plate PdNi	PALLADEX SB	758265
e-plate Rh	SEL-REX BRIGHT RHODIUM	54473504
e-plate Ru	RUTHENEX <sup>®</sup>	758411
e-plate Ru	RUTHENEX GR-3	758411
e-plate Sn (electrodeposited Sn coatings, bright and matt)	STANNOSTAR	756885

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Category	Enthone Product	IMDS ID
e-plate SnAg	MICROFAB®	10629288
e-plate SnBi3	STANNOSTAR®	10629453
e-plate SnCo		10629038
e-plate SnCu	BRONZEX®	10628142
e-plate SnPb10	STANNOSTAR	76536062
e-plate SnPb15	STANNOSTAR	757498
e-plate SnPb3	STANNOSTAR	757440
e-plate SnPb37	STANNOSTAR	757743
e-plate SnZn		2543510
e-plate Zn	ENTHOBRITE® CLZ	213570
e-plate Zn	ENTHOBRITE NCZ	213570
e-plate ZnCo	ZINCROLYTE® CLZ-CO	736158
e-plate ZnFe	ZINCROLYTE NCZ-191 NS	213579
e-plate ZnFeCo	ZINCROLYTE NCZ-191 NS	736142
e-plate ZnNi (12-15%)	ZINCROLYTE NCZ-315 PLUS	736126
e-plate ZnNi (12-15) (acidic)	ZINCROLYTE KCL-NI	51317748
e-plate ZnNi (6-8%)		213583
e-plate ZnNi (9-12%)		736101
Haftvermittler	ENTEK® HW	5790622
Haftvermittler	ENTEK TW-H	7031772
Immersin Sn	ORMECON® CSN Classic	85484706
Immersin Sn	ORMECON CSN FF	85484706
Immersion Ag	AlphaSTAR®	52989674
Immersion Sn layer (with whisker reduced function)	ORMECON CSN Classic WR	126624263
Immersion Sn layer (with whisker reduced function)	ORMECON CSN FF-W	126624263
Layer for temporary corrosion protection	ENTEK® FNE	50799082
Passivate black on Zn	PERMA PASS® 7120	46082140
Passivation A/Al-Alloys		1341237
Passivation Al/Al-Alloys (Chromephosphate)		24875877
Passivation black Zn	PERMA PASS 7030	63172992
Passivation black ZnFe	PERMA PASS 7012	1222871
Passivation black ZnNi	PERMA PASS 7200	1223017
Passivation blue/transparent Zn/ZnFe/ZnNi	PERMA PASS 3006 + PERMA PASS CCE	900924
Passivation blue/transparent Zn/ZnFe/ZnNi	PERMA PASS IMMUNOX 3K	900924
Passivation blue/transparent Zn/ZnFe/ZnNi	PERMA PASS Ultra III + PERMA PASS CCE	900924
Passivation blue/transparent Zn/ZnFe/ZnNi	PERMA PASS Ultra IV PLUS + PERMA PASS CCE	900924
Passivation silicate containing Zn/ZnFe/ZnNi	PERMA PASS 5000	10649640

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Category	Enthone Product	IMDS ID
Passivation thick layer Zn/ZnFe/ZnNi	PERMA PASS® 3082	900896
Passivation thick layer Zn/ZnFe/ZnNi	PERMA PASS 3095	900896
Passivation thick layer Zn/ZnFe/ZnNi	PERMA PASS 3098	900896
Passivation transparent Co-free Zn/ZnFe/ZnNi	PERMA PASS 3006	3641289
Passivation transparent Co-free Zn/ZnFe/ZnNi	PERMA PASS Ultra III	3641289
Passivation transparent Co-free Zn/ZnFe/ZnNi	PERMA PASS Ultra IV PLUS	3641289
PCB-high end printed circuit board		52925738
PCB-low end printed circuit board		9043161
PERMAPASS CF02 on Al	PERMAPASS CF02	37566443
PERMAPASS CF02 on Mg	PERMAPASS CF02	37569081
PERMAPASS CF02 on Zn	PERMAPASS CF02	37564258
Phosphate, Zn, Ca	PHOSBOND W520	50490621
SACX for HASL alloy	SACX	52989318
Sealant	AQUARES® 3-OC	79599950
Sealant	ENSEAL® 37	79599950
Sealant	ENSEAL 38 DC	79599950
Sealant inorg. (Sealant inorganic)	ENSEAL 29	974606
Sealant inorg. (Sealant inorganic)	ENSEAL C 24	974606
Sealant inorg./org PUR/PE (Sealant inorganic/organic with content of Polyurethan and PE-lubricant)		976472
Sealant inorg./org PVAL_Al (Sealant inorganic/organic with content of Polyvinylalcohol for Al-components)		20705590
Sealant inorg./org PVAL_Zn (Sealant inorganic/organic with content of Polyvinylalcohol for Zn-components)		45631397
Sealant inorg./org. lubricated (Sealant inorganic/organic with content of PE-lubricant)	ENSEAL 21	975042
Sealant inorg./org. PAK (Sealant inorganic/organic with content of polyacrylat)		974826
Sealant inorg./org. PAK black (Sealant with content of Polyacrylat, PE-lubricant and carbon-black)		977190
Sealant inorg./org. PAK lubricated (Sealant inorganic/organic with content of polyacrylat and PE-lubricant)	ENSEAL 110	976386
Sealant inorg./org. PAK lubricated (Sealant inorganic/organic with content of polyacrylat and PE-lubricant)	ENSEAL 26	976386
Sealant inorg./org. PAK lubricated (Sealant inorganic/organic with content of polyacrylat and PE-lubricant)	ENSEAL C22	976386
Sealant inorg./org. PAK lubricated (Sealant inorganic/organic with content of polyacrylat and PE-lubricant)	ENSEAL C23	976386
Sealant inorg./org. PUR (Sealant inorganic/organic with content of Polyurethan)		974954
Sealant org. PAK (Sealant organic)	ENSEAL 36	977552
Sealant org. PAK lubricated (Sealant organic with Polyacrylat and PE-lubricant)		977768
Sealant org. PAK/PE (Sealant organic)		977617
Sealant org. PES/CrIII (Sealant organic with content of CrIII)		977589

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Category	Enthone Product	IMDS ID
Sealer org. PES (Sealer organic)		977400
Solder Resist	ENTHONE SR-1000	144862225
Sn/Co Alloy	ACHROLYTE	2697438
Sn/Ni Alloy	ENLOY® SHADOW	75149131
Sulfamate Ni	LECTRO-NIC®	32701163
Surface sealer	ALUPREP DK	35915259
UV curable ink	ENPLATE® USI-210WP-9	139070896

[www.enthoneAuto.com](http://www.enthoneAuto.com)

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