



DEFENSE COATINGS



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Joint Venture In India

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Military Aircraft Topcoats

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UNSURPASSED QUALITY AND DURABILITY

Hentzen manufactures defense coatings that meet exacting AS9100 quality standards. Performing research in cutting-edge laboratories, our chemists are committed to formulating products with unsurpassed weathering and chemical resistance.





Protection that runs deep.

NEARLY SEVEN DECADES AGO, Hentzen was the first to develop interior and exterior Chemical Agent Resistant Coatings (CARC) that met military specifications—and we've been innovating ever since. With infrared reflectance, camouflage and decontamination properties, you can trust our coatings to help protect what matters most.



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David J. Kapp

Director of the United States Patent and Trademark Office



DEFENSE COATINGS

Defense Primers

DOD-P-15328D Primer (Wash) Pretreatment (Formula #117 for Metals)					
COLOR	DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER	MIXING RATIO
Green	Wash Primer	02110GVP/02111SSC	2 Gallon kit	8030-00-281-2726	1:1 by volume
			10 Gallon kit	8030-00-165-8577	1:1 by volume

MIL-C-8514C Primer (Wash) Pretreatment					
COLOR	DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER	MIXING RATIO
Yellow	Wash Primer	3174YVP-1/3175SSC	2 Gallon kit	N/A	1:1 by volume
Yellow	Wash Primer	3174YVP-1/3175SSC	10 Gallon kit	N/A	1:1 by volume

Approved to: HMS 15-1098 Rev. A.

TT-C-490H; Type III, Class A
Chrome-Free Wash Primer; Metal Pretreatment

COLOR	DESCRIPTION	PRODUCT NUMBER	SIZE	MIXING RATIO	QPL NUMBER
—	Metal Pretreatment	17245BEP/17246CEH	1 ¼ Gallon kit	4:1	PT#0006
			5 Gallon kit	4:1	PT#0006

MIL-DTL-53030D, Type II
Primer, Epoxy Coating, Water Reducible, Lead & Chromate Free
Mixing Ratio 4:1 by Volume with Component B, 23159CEH

COLOR	DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER	QPL NUMBER
Off-White	Epoxy Primer	23158WEP	1 Gallon kit	8010-01-603-2127	Q2233
			5 Gallon kit	N/A	Q2233



THOUGH WE ARE ALREADY
THE LARGEST SUPPLIER
OF U.S. ARMY COATINGS
 we continually seek to grow our product line.

Defense Primers

MIL-DTL-53022F Primer, Epoxy Coating, Corrosion Inhibiting, Lead & Chromate Free					
COLOR	DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER	QPL NUMBER
Type IV, Class L - MIL-DTL-53022F Mixing Ratio 4:1 by Volume with Component B22170CEH High Solids, Enhanced Corrosion Performance, Lead & Chromate Free, HAPS-Free Formulation, Maximum VOC Content of 340 Grams/Liter					
Off-White	Epoxy Primer	22167WEP	1 ¼ Gallon kit	N/A	Q2179
			5 Gallon kit	8010-01-588-4312	
Off-White	Epoxy Primer	22168WEP	1 ¼ Gallon kit	N/A	Q2180
			5 Gallon kit		
Off-White	Epoxy Primer	22169WEP	1 ¼ Gallon kit	N/A	Q2181
			5 Gallon kit		
Type IV, Class U - MIL-DTL-53022F Mixing Ratio 4:1 by Volume with Component B22170CEH					
Off-White	Epoxy Primer	22167WEP-LVOC	1 ¼ Gallon kit	N/A	Q2350
			5 Gallon kit	N/A	
Type V - MIL-DTL-53022F					
Off-White	Epoxy Primer Aerosol	A22167WEP-AERO	400 mL Aerosol	N/A	Q2285
Off-White	Epoxy Primer Touch-Up	22167WEP-TU2	2 oz Touch-up	N/A	Q2284

1 ¼ Gallon kit consists of 1 Gallon Component A in a 1 Gallon container and 1 Quart Component B in a Quart container.
 5 Gallon kit consists of 4 Gallons Component A in a 5 Gallon container and 1 Gallon Component B in a 1 Gallon container.
 Type II and III superseded by Type IV. Effective 12/1/2019, Department of Defense.



MIL-PRF-23377K Primer Coatings: Epoxy, High Solids				
COLOR	DESCRIPTION	PRODUCT NUMBER	NSN NUMBER	QPL NUMBER
Type I, Class C1 Mixing Ratio 3:1 by Volume with Component B, 16709CEH				
Yellow	High Solids Epoxy Primer	53012YEP	N/A	4123 Ser. 434300A/9.5076 25 February 2009
Type I, Class C2 Mixing Ratio 3:1 by Volume with Component B, AD2298-FD				
Yellow	Fast Dry Epoxy Primer	AD9318-FD	8010-01-416-6557	4123 Ser. 434200A/7.4951 30 March 2007
Yellow	Fast Dry Epoxy Primer Aerosol	AAD9318-FD-SC	8010-01-528-4864	SER AIR-4.3.4.2/17-043
Type II, Class C2* Mixing Ratio 3:1 by Volume with Component B, AD2298				
Dark Green	High Solids Epoxy Primer - Low IR	AD9325	8010-01-417-1215	4123 Ser. 434200A/11.0005 26 October 2010
Type I, Class N, Solvent-Based Non-Chrome Mixing Ratio 3:1 by Volume with Component B, 16709CEH				
Tan	Non-Chrome Epoxy Primer	16708TEP	N/A	4123 Ser. 497000A/7.4791 27 January 2005
Tan	Non-Chrome Epoxy Primer Aerosol	A16708TEP-SC	N/A	SER AIR-4.3.4.2/17-036
Type II, Class N, Solvent-Based Non-Chrome* Mixing Ratio 3:1 by Volume with Component B, 16709CEH				
Dark Green	Non-Chrome Epoxy Primer - Low IR	17176KEP	8010-01-555-3383	4123 Ser. 497000A/7.4791 27 January 2005
Dark Green	Non-Chrome Epoxy Primer - Low IR Aerosol	A17176KEP-SC	N/A	SER AIR-4.3.4.2/17-037

2 ounce touch-up kits available upon request.

* These products are ITAR controlled. An export license must be in place with the US Department of State prior to export.

Defense Primers

MIL-PRF-85582E Water-Based, Chromated				
COLOR	DESCRIPTION	PRODUCT NUMBER	NSN NUMBER	QPL NUMBER
Type I, Class C2 Mixing Ratio 4:1 by Volume with Component B, AD2304				
Green	Water-Based Epoxy Primer	AD9320	8010-01-292-8893	4123 Ser. 434200A/7.4977 15 June 2007
Type II, Class C2* Mixing Ratio 4:1 by Volume with Component B, AD2304				
Dark Green	Water-Based Epoxy Primer - Low IR	AD3247	N/A	4123 Ser. 434200A/7.4976 15 June 2007

2 ounce touch-up kits available upon request.

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MIL-PRF-32550 Metal Rich Primer		
DESCRIPTION	PRODUCT NUMBER	QPL NUMBER
Type I, Form A, Class S		
Metal Rich Zenthane® Primer, Organic - Single Component	09443FMU-6	Q2246
Type I, Form B, Class S		
Metal Rich Epoxy Primer, Organic	00812FEP-2	Q2248
Metal Rich 3.50 VOC Primer	18255FEP	Q2247



MIL-DTL-53039F, Type IV, Grade S 1.0 VOC VOHAPS-Free Zenthane [®] , Silica Free, Polymeric Bead Flattened Single Component Aliphatic Polyurethane Coating, Chemical Agent Resistant (CARC)					
SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER	QPL NUMBER
30051	Brown 383	08606TUZ-ULVOC	1 Gallon	8010-01-582-7298	Q1793
33446	Tan 686A	08609TUZ-ULVOC	1 Gallon	8010-01-582-7282	Q1858
34031	Aircraft Green	08625GUZ-ULVOC	1 Gallon	8010-01-582-7284	N/A
34088	Olive Drab	08671TUA-ULVOC	1 Gallon	8010-01-582-7288	Q1803
34094	Green 383	08605GUZ-ULVOC	1 Gallon	8010-01-582-7300	Q1797
36231	Aircraft Gray	08624AUZ-ULVOC	1 Gallon	8010-01-582-7299	Q1807
37030	Black	08610KUZ-ULVOC	1 Gallon	8010-01-582-7301	Q1846
37031	Int. Aircraft Black	17991KUZ-ULVOC	1 Gallon	8010-01-582-7239	Q1812
37038	Aircraft Black	08628KUZ-ULVOC	1 Gallon	8010-01-582-7294	Q1813
34201	Woodland Desert Sage	17798GUZ-ULVOC	1 Gallon	8010-01-582-7302	Q1839
33303	Sand	08618TUZ-ULVOC	1 Gallon	8010-01-582-7281	Q1870
31136	Aircraft Red	04909RUA-ULVOC	1 Gallon	N/A	Q1992
33105	Field Drab	17943TUZ-ULVOC	1 Gallon	N/A	Q1991
33245	Earth Yellow	17945YUZ-ULVOC	1 Gallon	N/A	Q1994
33538	Aircraft Yellow	04098YUZ-ULVOC	1 Gallon	8010-01-606-1384	Q1993
35044	Insignia Blue	17294BUZ-ULVOC	1 Gallon	N/A	Q1995
37875	Aircraft White	08620WUA-ULVOC	1 Gallon	N/A	Q1872
33531	Sand	03813TUA-ULVOC	1 Gallon	N/A	Q2223
36300	Aircraft Gray	17944AUZ-ULVOC	1 Gallon	N/A	Q2281
35109	Blue	16275BUZ-ULVOC	1 Gallon	N/A	Q2280
30372	Tan	08664TUZ-ULVOC	1 Gallon	N/A	Q2292

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Defense Topcoats

MIL-DTL-53039F, Type VIII, Grade S Aerosol Touch-Up, Polymeric Bead Flattened

SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER	QPL NUMBER
30051	Brown 383	A8606TUZ-AERO2K-SC	12 oz Aerosol	N/A	Q2325
33446	Tan 686A	A8609TUZ-AERO2K-SC	12 oz Aerosol	8010-01-576-8920	Q2326
34094	Green 383	A8605GUZ-AERO2K-SC	12 oz Aerosol	8010-01-576-8919	Q2328
37030	Black	A8610KUZ-AERO2K-SC	12 oz Aerosol	N/A	Q2327

*These products are ITAR controlled. An export license must be in place with the US Department of State prior to export.
Products also available in 400 mL aerosol cans upon request.*

MIL-DTL-53039F, Type IX, Grade S Maximum 3.5 VOC VOHAP-Free, Polymeric Bead Flattened

SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER	QPL NUMBER
30051	Brown 383	08606TUZ-B33	1 Gallon	8010-01-587-9217	Q1827
31136	Aircraft Red	04909RUA-B33	1 Gallon	N/A	N/A
33105	Field Drab	17943TUZ-B33	1 Gallon	N/A	Q1996
33245	Earth Yellow	17945YUZ-B33	1 Gallon	N/A	Q2000
33446	Tan 686A	08609TUZ-B33	1 Gallon	8010-01-587-9226	Q1829
33510	Dark Sandstone	17951TUA-B33	1 Gallon	N/A	Q2001
33538	Aircraft Yellow	04098YUZ-B33	1 Gallon	N/A	N/A
34031	Aircraft Green	08625GUZ-B33	1 Gallon	8010-01-590-7944	Q1842
34082	Dark Green	08637GUZ-B33	1 Gallon	N/A	N/A
34088	Olive Drab	08671GUZ-B33	1 Gallon	8010-01-576-2877	Q1841
34094	Green 383	08605GUZ-B33	1 Gallon	N/A	Q1825
35044	Insignia Blue	17294BUZ-B33	1 Gallon	N/A	N/A
36231	INT AC Gray	08624AUZ-B33	1 Gallon	N/A	N/A
37030	Black 383	08610KUZ-B33	1 Gallon	N/A	Q1831
37038	Aircraft Black	08628KUZ-B33	1 Gallon	8010-01-576-2880	Q1843

These products are ITAR controlled. An export license must be in place with the US Department of State prior to export.

MIL-DTL-53039F, Type IV, Grade L Low Solar Absorption (LSA) Pigments (QPL Pending 2023)

SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER	QPL NUMBER
34075	Green 222	08672GUZ-ULSA	1 Gallon	N/A	N/A
30036	Brown 222	08673TUZ-ULSA	1 Gallon	N/A	N/A
33450	Tan 222	08674TUZ-ULSA	1 Gallon	N/A	N/A
37057	Black 222	08675KUZ-ULSA	1 Gallon	N/A	N/A
33310	Sand 222	08676TUZ-ULSA	1 Gallon	N/A	N/A

These products are ITAR controlled. An export license must be in place with the US Department of State prior to export.

MIL-DTL-64159C, Type II, Grade L Low Solar Absorption (LSA) Pigments (QPL Pending 2023)

SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER	QPL NUMBER
37057	Black 222	07181KWU	3 Gallon kit	N/A	N/A
34075	Green 222	07182GWU	3 Gallon kit	N/A	N/A
33450	Tan 222	07183TWU	3 Gallon kit	N/A	N/A
30036	Brown 222	07184TWU	3 Gallon kit	N/A	N/A
33310	Sand 222	07185TWU	3 Gallon kit	N/A	N/A

These products are ITAR controlled. An export license must be in place with the US Department of State prior to export. 3 Gallon kit consists of 2 Gallons Component A and 1 Gallon Component B.



Defense Topcoats

MIL-DTL-64159C, Type II, Grade S Coating, Water Dispersible Aliphatic Polyurethane, Chemical Agent Resistant					
SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER	QPL NUMBER
Type II – Polymeric Bead Flattened Mixing Ratio 2:1 by Volume with Component B, 07170CMU					
30051	Brown 383	07179TWU	3 Gallon kit	8010-01-493-3174	Q1671
			15 Gallon kit	8010-01-493-3175	
33446	Tan 686A	07178TWU	3 Gallon kit	8010-01-493-3179	Q1662
			15 Gallon kit	8010-01-493-3180	
34031	Aircraft Green	16931GWU/ 16932CMU	3 Gallon kit	8010-01-493-3194	Q1679
			15 Gallon kit	8010-01-493-3195	
37038	Aircraft Black	17101KWA/ 17102CMU	3 Gallon kit	8010-01-545-1949	Q1701
			15 Gallon kit	8010-01-545-1955	
34094	Green 383	07131GWU	3 Gallon kit	8010-01-493-3170	Q1642
			15 Gallon kit	8010-01-493-3171	
37030	Black	07180KWU	3 Gallon kit	8010-01-493-3190	Q1676
			15 Gallon kit	8010-01-493-3191	
34201	Woodland Desert Sage	17809GWU	3 Gallon kit	N/A	Q2193
			15 Gallon kit		
34160	Foliage Green	18496GWU	3 Gallon kit	N/A	Q2191
			15 Gallon kit		
N/A	Coyote	18495TWU	3 Gallon kit	N/A	N/A
			15 Gallon kit		
33303	Sand	07119TWU	3 Gallon kit	8010-01-545-2016	Q2192
			15 Gallon kit	N/A	
37875	Aircraft White	07121WWU	3 Gallon kit	N/A	Q2190
			15 Gallon kit		
33245	Earth Yellow	07137YWU	3 Gallon kit	N/A	Q2269
			15 Gallon kit		
33531	Tan	18994TWU	3 Gallon kit	8010-01-580-7172	Q2223
			15 Gallon kit	8010-01-582-3902	

These products are ITAR controlled. An export license must be in place with the US Department of State prior to export.

3 Gallon kit consists of 2 Gallons Component A and 1 Gallon Component B.

15 Gallon kit consists of 2 - 5 Gallon containers Component A and 1 - 5 Gallon container Component B.

MIL-PRF-22750G, Type II, Class H, Grade A
Coating, Epoxy-Polyamide, 1.8 VOC

SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER
Gloss Colors				
11136	Red	16635REF-LVOC	1 Gallon kit	8010-01-313-7284
17875	White	16627WEF-LVOC	1 Gallon kit	8010-01-350-4734
17925*	Untinted White	16087WEF-LVOC	1 Gallon kit	8010-01-419-1164
Semi-Gloss Colors				
24410	Green	16657GEF-LVOC	1 Gallon kit	8010-01-313-8708
24533*	Seafoam Green	16125GEF-LVOC	1 Gallon kit	8010-01-313-8711
26307	Gray	16630AEF-LVOC	1 Gallon kit	8010-01-314-2533
27038	Black	16632KEF-LVOC	1 Gallon kit	8010-01-313-8696
27875	White	16628WEF-LVOC	1 Gallon kit	8010-01-350-4733
23446	Tan	18061TEF-LVOC	1 Gallon kit	N/A
Low-Luster Colors				
34094	Green	16634GEF-LVOC	1 Gallon kit	N/A
36118	Gray	16677AEF-LVOC	1 Gallon kit	N/A
36231	Gray	16678AEF-LVOC	1 Gallon kit	8010-01-316-2551
37038	Black	16633KEF-LVOC	1 Gallon kit	8010-01-414-8443

MIL-PRF-22750G, Type III, Class H, Grade A
Coating, Epoxy-Polyamide, 1.8 VOC

SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	SIZE	QPL NUMBER
24533	Seafoam Green	16125GEF-T3	1 Gallon kit	Q2263
26231	Gray	18907AEF-T3	1 Gallon kit	Q2262
36375*	Gray	16727AEF-T3	1 Gallon kit	Q2261

Other SAE AMS-STD-595 color available upon request. For stock availability, please contact our Customer Service Department.

Smaller kit packaging available upon request.

NSN for color reference only.

All kits are 1 Gallon kits consisting of ¾ Gallon Component A in a 1 Gallon container and 1 Quart Component B in a 1 Quart container.

Mixing Ratio 3:1 by Volume with Component B - 16062CEH-LVOC Clear Hardener.

* Per Military Specification MIL-PRF-22750G, once qualified for color numbers 17925, 24533 and 36375, qualification extends to other gloss, semi-gloss, and camouflage colors, with the exception of color 34095 which must be separately qualified.

Defense Topcoats

Zenthane® Plus MIL-PRF-85285F, MMS 420

Coating: Polyurethane, High Solids,
3.5 VOC - Type I - Aircraft Application - High Performance

SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER
Gloss Zenthane® Plus				
Component B = Activator: 04600CHA-SG (standard dry) or 04600CHA-FG (fast dry) - Consult Aerospace Team for recommendation.				
12197	Orange	04628NUX-3	1 Gallon kit	8010-01-441-6110
16440	Light Gray	04644AUX-3	1 Gallon kit	8010-01-441-6155
16473	Gray	04665AUX-3	1 Gallon kit	8010-01-465-9638
16515	Gray	04658AUX-3	1 Gallon kit	N/A
17038	Black	04680KUX-3	1 Gallon kit	8010-01-441-6111
17875	Off-White	04678WUX-3	1 Gallon kit	N/A
17925*	White	04636WUX-3	1 Gallon kit	8010-01-441-6114
11136	Red	04626RUX-3	1 Quart kit	8010-01-441-6107
13538	Orange-Yellow	04629YUX-3	1 Quart kit	8010-01-441-6108
15044	Insignia Blue	04618BUX-3	1 Quart kit	8010-01-441-6109

Other SAE AMS-STD-595 colors available upon request.
 Smaller kit packaging available upon request.
 1 Gallon kit consists of .75 Gallon Component A in a 1 Gallon container and 1 Quart Component B in a 1 Quart container. Mixing ratio = 3:1 by volume.
 1 Quart kit consists of .75 Quart Component A in a 1 Quart container and 1 - 1/2 pint Component B in a 1/2 pint container. Mixing ratio = 3:1 by volume.
 Per Military Specification MIL-PRF-85285F, Hentzen's qualification extends to all other gloss, semi-gloss, and camouflage colors.
 Zenthane® Plus is a unique two-component urethane with faster dry times, extended pot life and resistance to micro-blistering in hot, humid environments.
 Also qualified to MMS 420.
 * QPL Number 4123, Ser 434100A/3565, 29 Sep 1997.



MIL-PRF-85285F; Type I Aerosol Touch-up, Polyurethane, High Solids			
SAE AMS-STD-595 COLOR NUMBER	PRODUCT NUMBER	HENTZEN DESCRIPTION - COMPONENT A	NSN NUMBER
11136	A31111RPX-SC	Red Gloss	8010-01-528-4840
13538	A31102YPX-SC	Yellow Gloss	N/A
16440	A31112APX-SC	Gray Gloss	N/A
16473	A31143APX-SC	Gray Gloss	N/A
16515	A31195APX-SC	Gray Gloss	8010-01-528-4844
17038	A31104KPX-SC	Black Gloss	8010-01-528-4847
17925	A4708WPX-SC	White Gloss*	8010-01-528-4848
33446	A31119TPX-SC	Tan Low-Luster	N/A
34088	A31130GPX-SC	Green Low-Luster	N/A
34092	A31309GPX-SC	Green Low-Luster	N/A
35237	A31138APX-SC	Gray Low-Luster	N/A
36118	A31148APX-SC	Gray Low-Luster	N/A
36173	A31126APX-SC	Gray Low-Luster	N/A
36176	A31142APX-SC	Gray Low-Luster	N/A
36231	A31139APX-SC	Gray Low-Luster	N/A
36270	A31156APX-SC	Gray Low-Luster	N/A
36320	A31140APX-SC	Gray Low-Luster	8010-01-528-4858
36375	A4712APX-SC	Gray Low-Luster**	8010-01-528-4860
37038	A31105KPX-SC	Black Low-Luster	8010-01-528-4866

Other SAE AMS-STD-595 colors available upon request.

Product supplied in 400 mL cans.

** QPL AIR.4.3.4.6 SER 17-0030.*

*** QPL SER 4342/18-019.*

Defense Topcoats

MIL-PRF-85285F, Type I Coating: Polyurethane, High Solids, 2.8 VOC, Aircraft Application		
SAE AMS-STD-595 COLOR NUMBER	PRODUCT NUMBER	HENTZEN DESCRIPTION - COMPONENT A
Mixing Ratio 3:1 by Volume with Component B, 06480CMU		
11136	31111RPX-T1	Red Gloss
12197	31134NPX-T1	Orange Gloss
13538	31102YPX-T1	Yellow Gloss
16081	31113APX-T1	Gray Gloss
16440	31112APX-T1	Gray Gloss
17038	31104KPX-T1	Black Gloss
17875	31136WPX-T1	White Gloss
17925	04708WPX/04700CMU*	White Gloss
24052	31106GPX-T1	Green Semi-Gloss
26173	31192APX-T1	Gray Semi-Gloss
26307	31115APX-T1	Gray Semi-Gloss
27875	31118WPX-T1	White Semi-Gloss
36375	04712APX/04700CMU*	Light Gray Low-Luster
37038	31105KPX	Black Low-Luster
35237	31138APX	Gray Low-Luster
36118	31148APX	Gray Low-Luster
36176	31142APX	Gray Low-Luster
36231	31139APX	Gray Low-Luster
36251	31141APX	Gray Low-Luster
36320	31140APX	Gray Low-Luster

Other SAE AMS-STD-595 colors available upon request.

Smaller kit packaging available upon request.

** Per Military Specification MIL-PRF-85285F, Hentzen's qualification extends to all other gloss, semi-gloss, and camouflage colors.*

MIL-PRF-85285F, Type II Coating: Polyurethane, High Solids, 2.8 VOC, Ground Support		
SAE AMS-STD-595 COLOR NUMBER	PRODUCT NUMBER	HENTZEN DESCRIPTION - COMPONENT A
Mixing Ratio 3:1 by Volume with Component B, 06480CMU		
11136	32211RPX-T2	Red Gloss
12197	32234NPX-T2	Orange Gloss
13538	32202YPX-T2	Yellow Gloss
16081	32213APX-T2	Gray Gloss
16440	32212APX-T2	Gray Gloss
17038	32204KPX-T2	Black Gloss
17875	32236WPX-T2	White Gloss
17925	32201WPX-T2*	White Gloss
24052	32206GPX-T2	Green Semi-Gloss
26173	32292APX-T2	Gray Semi-Gloss
26307	32215APX-T2	Gray Semi-Gloss
27875	32218WPX-T2	White Semi-Gloss
36375	32221APX-T2*	Light Gray Low-Luster
37038	32205KPX-T2	Black Low-Luster
35237	32238APX-T2	Gray Low-Luster
36176	32242APX-T2	Gray Low-Luster
36231	32239APX-T2	Gray Low-Luster
36251	32241APX-T2	Gray Low-Luster
36320	32240APX-T2	Gray Low-Luster

Other SAE AMS-STD-595 colors available upon request.

Smaller kit packaging available upon request.

* Per Military Specification MIL-PRF-85285F, Hentzen's qualification extends to all other gloss, semi-gloss, and camouflage colors.

Defense Topcoats

MIL-PRF-85285F, Type IV Coating: Advanced Polymer Coating (APC), High Solids, 3.5 VOC

SAE AMS-STD-595 COLOR NUMBER	PRODUCT NUMBER	HENTZEN DESCRIPTION - COMPONENT A
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Type IV - Aircraft Application
 Mixing Ratio, Flat Finishes, 3:1 by Volume with Component B, 35502CMU
 Mixing Ratio, Gloss Finishes, 1:1 by Volume with Component B, 35503CMU

17925*	35504WPX	Gloss White
16473	35506APX	Gloss Gray
36270	35514APX	Flat Gray
36375*	35500APX	Flat Gray
36118	35501APX	Flat Gray
36173	35515APX	Flat Gray
37038	35508KPX	Flat Black

Other SAE AMS-STD-595 colors available upon request.

Smaller kit packaging available upon request.

Also meets performance of MIL-PRF-32239A.

** Per Military Specification MIL-PRF-85285, once qualified for color number 17925 and 36375 qualification extends to other gloss, semi-gloss and camouflage colors.*

Color 17925 approved: NAWCADPAX Ltr 4123 Ser 43200A/11.0007.

Color 36375 approved: NAWCADPAX Ltr Ser 43400A/0015.



MIL-PRF-32348 Powder Coating, Camouflage CARC Systems

SAE AMS-STD-595 COLOR NUMBER	COLOR	PRODUCT NUMBER	QPL NUMBER
Type I, Class I Powder Primer			
N/A	Off-White	P1410WEE-1	Q2072
Type II, Class I Powder Primer / Interior Top Coat			
23446	Tan	P20233TPN	Q2073
27038	SG Black	P20003KEE	Q2071
17925*	Gloss White	P90277WEE	Q1882
24533	Seafoam Green	P20108GEE	Q1881
Type III, Class I Powder CARC Top Coat**			
33446	686A Tan	P8609TUZ-V7	Q2140
34094	383 Green	P8605GUZ-V2	Q2234
37030	383 Black	P8610KUZ-V2	Q2257

* Per MIL-PRF-32348, Type I primers conforming to the color requirements of color number 17925 can also be used as a Type II primer when those color numbers are cited in a relevant contractual document or drawing.

** These products are ITAR controlled. An export license must be in place with the US Department of State prior to export.



Defense Thinners & Retarder

MIL-T-81772C Thinner

TYPE	DESCRIPTION	PRODUCT NUMBER	CERTIFIED PRODUCT
I	Polyurethane and Epoxy Thinner	00053SST-1	Yes
II	Epoxy Thinner	00212SST-1	Yes
III	Acrylic & Alkyd Thinner	01175SST-1	Yes
IV	HAPS-Free CARC Thinner	00055SST	Yes

Non-VOC Reducer

DESCRIPTION	PRODUCT NUMBER
Non-VOC Zenthane® Reducer - Summer Blend	08045SSB
Non-VOC Zenthane® Reducer - Standard Blend	08176SSB

Zenthane® Retarder

DESCRIPTION	PRODUCT NUMBER
Zenthane® Retarder	00222CHS



MIL-PRF-14105E, Type II Paint, Heat Resistant

SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	NSN NUMBER	CERTIFIED PRODUCT
30051	Brown 383	02379TML-HF	8010-01-235-2695	Yes
34094	Green 383	02359GML-HF	8010-01-235-4164	Yes
37030	Flat Black	02308KML-HF	8010-01-235-4166	Q2148
33446	Tan 686A	02329TML-HF	N/A	Yes

A-A-59166, Type II, 1.8 VOC Coating Compound, Non-slip (For Walkways) - Non-Skid Zenthane® Type II Rough Texture (with Grit)

CARC COLOR	DESCRIPTION	PRODUCT NUMBER	CERTIFIED PRODUCT
37875 Aircraft White	Non-Skid	03831WMZ-B	Yes
34094 Green 383	Non-Skid	03884GMZ-B	Yes
37030 Black	Non-Skid	03885KMZ-B	Yes
33446 Tan 686A	Non-Skid	03973TMZ-B	Yes
36173 Gray	Non-Skid	03972AMZ-B	Yes

MIL-DTL-450D Type II, Class G Coating Compound, Bituminous Solvent Type

CARC COLOR	SAE AMS-STD-595 COLOR NUMBER	PRODUCT NUMBER	CERTIFIED PRODUCT
Type II - High Solids			
Black	N/A	04999KMM	Yes



MILITARY AIRCRAFT

Military Aircraft Primers

MIL-PRF-85582E Water-Based, Chromated				
COLOR	DESCRIPTION	PRODUCT NUMBER	NSN NUMBER	QPL NUMBER
Type I, Class C2 Mixing Ratio 4:1 by Volume with Component B, AD2304				
Green	Water-Based Epoxy Primer	AD9320	8010-01-292-8893	4123 Ser. 434200A/7.4977 15 June 2007
Type II, Class C2* Mixing Ratio 4:1 by Volume with Component B, AD2304				
Dark Green	Water-Based Epoxy Primer - Low IR	AD3247	N/A	4123 Ser. 434200A/7.4976 15 June 2007

2 ounce touch-up kits available upon request.

*These products are ITAR controlled. An export license must be in place with the US Department of State prior to export.

MIL-PRF-23377K Primer Coatings: Epoxy, High Solids				
COLOR	DESCRIPTION	PRODUCT NUMBER	NSN NUMBER	QPL NUMBER
Type I, Class C1 Mixing Ratio 3:1 by Volume with Component B, 16709CEH				
Yellow	High Solids Epoxy Primer	53012YEP	N/A	4123 Ser. 434300A/9.5076 25 February 2009
Type I, Class C2 Mixing Ratio 3:1 by Volume with Component B, AD2298-FD				
Yellow	Fast Dry Epoxy Primer	AD9318-FD	8010-01-416-6557	4123 Ser. 434200A/7.4951 30 March 2007
Yellow	Fast Dry Epoxy Primer Aerosol	AAD9318-FD-SC	8010-01-528-4864	SER AIR-4.3.4.2/17-043
Type II, Class C2* Mixing Ratio 3:1 by Volume with Component B, AD2298				
Dark Green	High Solids Epoxy Primer - Low IR	AD9325	8010-01-417-1215	4123 Ser 434200A/11.0005 26 October 2010
Type I, Class N, Solvent-Based Non-Chrome Mixing Ratio 3:1 by Volume with Component B, 16709CEH				
Tan	Non-Chrome Epoxy Primer	16708TEP	N/A	4123 Ser. 497000A/7.4791 27 January 2005
Tan	Non-Chrome Epoxy Primer Aerosol	A16708TEP-SC	N/A	SER AIR-4.3.4.2/17-036
Type II, Class N, Solvent-Based Non-Chrome* Mixing Ratio 3:1 by Volume with Component B, 16709CEH				
Dark Green	Non-Chrome Epoxy Primer - Low IR	17176KEP	8010-01-555-3383	4123 Ser. 497000A/7.4791 27 January 2005
Dark Green	Non-Chrome Epoxy Primer - Low IR Aerosol	A17176KEP-SC	N/A	SER AIR-4.3.4.2/17-037

2 ounce touch-up kits available upon request.

* These products are ITAR controlled. An export license must be in place with the US Department of State prior to export.

Military Aircraft Topcoats

MIL-DTL-53039F, Type IV, Grade S 1.0 VOC VOHAPS-Free Zenthane [®] , Silica Free, Polymeric Bead Flattened Single Component Aliphatic Polyurethane Coating, Chemical Agent Resistant (CARC)					
SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER	QPL NUMBER
34031	Aircraft Green	08625GUZ-ULVOC	1 Gallon	8010-01-582-7284	N/A
36231	Aircraft Gray	08624AUZ-ULVOC	1 Gallon	8010-01-582-7299	Q1807
37031	Int. Aircraft Black	17991KUZ-ULVOC	1 Gallon	8010-01-582-7239	Q1812
37038	Aircraft Black	08628KUZ-ULVOC	1 Gallon	8010-01-582-7294	Q1813
31136	Aircraft Red	04909RUA-ULVOC	1 Gallon	N/A	Q1992
33538	Aircraft Yellow	04098YUZ-ULVOC	1 Gallon	N/A	Q1993
37875	Aircraft White	08620WUA-ULVOC	1 Gallon	N/A	Q1872
36300	Aircraft Gray	17944AUZ-ULVOC	1 Gallon	N/A	Q2281

These products are ITAR controlled. An export license must be in place with the US Department of State prior to export.

MIL-DTL-53039F, Type IX, Grade S Maximum 3.5 VOC VOHAP-Free, Polymeric Bead Flattened					
SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER	QPL NUMBER
31136	Aircraft Red	04909RUA-B33	1 Gallon	N/A	N/A
33538	Aircraft Yellow	04098YUZ-B33	1 Gallon	N/A	N/A
34031	Aircraft Green	08625GUZ-B33	1 Gallon	8010-01-590-7944	Q1842
36231	INT AC Gray	08624AUZ-B33	1 Gallon	N/A	N/A
37038	Aircraft Black	08628KUZ-B33	1 Gallon	8010-01-576-2880	Q1843

These products are ITAR controlled. An export license must be in place with the US Department of State prior to export.

MIL-DTL-64159C, Type II, Grade S Coating, Water Dispersible Aliphatic Polyurethane, Chemical Agent Resistant					
SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER	QPL NUMBER
Type II – Polymeric Bead Flattened Mixing Ratio 2:1 by Volume with Component B, 07170CMU					
34031	Aircraft Green	16931GWU/ 16932CMU	3 Gallon kit	8010-01-493-3194	Q1679
			15 Gallon kit	8010-01-493-3195	
37038	Aircraft Black	17101KWA/ 17102CMU	3 Gallon kit	8010-01-545-1949	Q1701
			15 Gallon kit	8010-01-545-1955	
37875	Aircraft White	07121WWU	3 Gallon kit	N/A	Q2190
			15 Gallon kit		

These products are ITAR controlled. An export license must be in place with the US Department of State prior to export.

3 Gallon kit consists of 2 Gallons Component A and 1 Gallon Component B.

15 Gallon kit consists of 2 - 5 Gallon containers Component A and 1 - 5 Gallon container Component B.



Military Aircraft Topcoats

Zenthane® Plus MIL-PRF-85285F, MMS 420

Coating: Polyurethane, High Solids,
3.5 VOC - Type I - Aircraft Application - High Performance

SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	SIZE	NSN NUMBER
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Gloss Zenthane® Plus

Component B = Activator:
04600CHA-SG (standard dry) or
04600CHA-FG (fast dry) - Consult Aerospace Team for recommendation.

12197	Orange	04628NUX-3	1 Gallon kit	8010-01-441-6110
24052	Green	04662AUX-3	1 Gallon kit	8010-01-466-4320
16440	Light Gray	04644AUX-3	1 Gallon kit	8010-01-441-6155
16473	Gray	04665AUX-3	1 Gallon kit	8010-01-465-9638
16515	Gray	04658AUX-3	1 Gallon kit	N/A
17038	Black	04680KUX-3	1 Gallon kit	8010-01-441-6111
17875	Off-White	04678WUX-3	1 Gallon kit	N/A
17925*	White	04636WUX-3	1 Gallon kit	8010-01-441-6114
11136	Red	04626RUX-3	1 Quart kit	8010-01-441-6107
13538	Orange-Yellow	04629YUX-3	1 Quart kit	8010-01-441-6108
15044	Insignia Blue	04618BUX-3	1 Quart kit	8010-01-441-6109

Other SAE AMS-STD-595 colors available upon request.
Smaller kit packaging available upon request.
1 Gallon kit consists of .75 Gallon Component A in a 1 Gallon container and 1 Quart Component B in a 1 Quart container. Mixing ratio = 3:1 by volume.
1 Quart kit consists of .75 Quart Component A in a 1 Quart container and 1 - 1/2 pint Component B in a 1/2 pint container. Mixing ratio = 3:1 by volume.
Per Military Specification MIL-PRF-85285F, Hentzen's qualification extends to all other gloss, semi-gloss, and camouflage colors.
Zenthane® Plus is a unique two-component urethane with faster dry times, extended pot life and resistance to micro-blistering in hot, humid environments.
Also qualified to MMS 420.
** QPL Number 4123, Ser 434100A/3565, 29 Sep 1997.*

Military Aircraft Topcoats

MIL-PRF-85285F; Type I Aerosol Touch-up, Polyurethane, High Solids			
SAE AMS-STD-595 COLOR NUMBER	PRODUCT NUMBER	HENTZEN DESCRIPTION - COMPONENT A	NSN NUMBER
11136	A31111RPX-SC	Red Gloss	8010-01-528-4840
13538	A31102YPX-SC	Yellow Gloss	N/A
16440	A31112APX-SC	Gray Gloss	N/A
16473	A31143APX-SC	Gray Gloss	N/A
16515	A31195APX-SC	Gray Gloss	8010-01-528-4844
17038	A31104KPX-SC	Black Gloss	8010-01-528-4847
17925	A4708WPX-SC	White Gloss*	8010-01-528-4848
33446	A31119TPX-SC	Tan Low-Luster	N/A
34088	A31130GPX-SC	Green Low-Luster	N/A
34092	A31309GPX-SC	Green Low-Luster	N/A
35237	A31138APX-SC	Gray Low-Luster	N/A
36118	A31148APX-SC	Gray Low-Luster	N/A
36173	A31126APX-SC	Gray Low-Luster	N/A
36176	A31142APX-SC	Gray Low-Luster	N/A
36231	A31139APX-SC	Gray Low-Luster	N/A
36270	A31156APX-SC	Gray Low-Luster	N/A
36320	A31140APX-SC	Gray Low-Luster	8010-01-528-4858
36375	A4712APX-SC	Gray Low-Luster**	8010-01-528-4860
37038	A31105KPX-SC	Black Low-Luster	8010-01-528-4866

Other SAE AMS-STD-595 colors available upon request.

Product supplied in 400 mL cans.

* QPL AIR.4.3.4.6 SER 17-0030.

** QPL SER 4342/18-019.

Military Aircraft Topcoats

MIL-PRF-85285F, Type I Coating: Polyurethane, High Solids, 2.8 VOC, Aircraft Application		
SAE AMS-STD-595 COLOR NUMBER	PRODUCT NUMBER	HENTZEN DESCRIPTION - COMPONENT A
Mixing Ratio 3:1 by Volume with Component B, 06480CMU		
11136	31111RPX-T1	Red Gloss
12197	31134NPX-T1	Orange Gloss
13538	31102YPX-T1	Yellow Gloss
16081	31113APX-T1	Gray Gloss
16440	31112APX-T1	Gray Gloss
17038	31104KPX-T1	Black Gloss
17875	31136WPX-T1	White Gloss
17925	04708WPX/04700CMU*	White Gloss
24052	31106GPX-T1	Green Semi-Gloss
26173	31192APX-T1	Gray Semi-Gloss
26307	31115APX-T1	Gray Semi-Gloss
27875	31118WPX-T1	White Semi-Gloss
36375	04712APX/04700CMU*	Light Gray Low-Luster
37038	31105KPX	Black Low-Luster
35237	31138APX	Gray Low-Luster
36118	31148APX	Gray Low-Luster
36176	31142APX	Gray Low-Luster
36231	31139APX	Gray Low-Luster
36251	31141APX	Gray Low-Luster
36320	31140APX	Gray Low-Luster

Other SAE AMS-STD-595 colors available upon request.

Smaller kit packaging available upon request.

** Per Military Specification MIL-PRF-85285F, Hentzen's qualification extends to all other gloss, semi-gloss, and camouflage colors.*

MIL-PRF-85285F, Type II Coating: Polyurethane, High Solids, 2.8 VOC, Ground Support		
SAE AMS-STD-595 COLOR NUMBER	PRODUCT NUMBER	HENTZEN DESCRIPTION - COMPONENT A
Mixing Ratio 3:1 by Volume with Component B, 06480CMU		
11136	32211RPX-T2	Red Gloss
12197	32234NPX-T2	Orange Gloss
13538	32202YPX-T2	Yellow Gloss
16081	32213APX-T2	Gray Gloss
16440	32212APX-T2	Gray Gloss
17038	32204KPX-T2	Black Gloss
17875	32236WPX-T2	White Gloss
17925	32201WPX-T2*	White Gloss
24052	32206GPX-T2	Green Semi-Gloss
26173	32292APX-T2	Gray Semi-Gloss
26307	32215APX-T2	Gray Semi-Gloss
27875	32218WPX-T2	White Semi-Gloss
36375	32221APX-T2*	Light Gray Low-Luster
37038	32205KPX-T2	Black Low-Luster
35237	32238APX-T2	Gray Low-Luster
36176	32242APX-T2	Gray Low-Luster
36231	32239APX-T2	Gray Low-Luster
36251	32241APX-T2	Gray Low-Luster
36320	32240APX-T2	Gray Low-Luster

Other SAE AMS-STD-595 colors available upon request.

Smaller kit packaging available upon request.

** Per Military Specification MIL-PRF-85285F, Hentzen's qualification extends to all other gloss, semi-gloss, and camouflage colors.*

Military Aircraft Topcoats

MIL-PRF-85285F, Type IV Coating: Advanced Polymer Coating (APC), High Solids, 3.5 VOC		
SAE AMS-STD-595 COLOR NUMBER	PRODUCT NUMBER	HENTZEN DESCRIPTION - COMPONENT A
Type IV - Aircraft Application Mixing Ratio, Flat Finishes, 3:1 by Volume with Component B, 35502CMU Mixing Ratio, Gloss Finishes, 1:1 by Volume with Component B, 35503CMU		
17925*	35504WPX	Gloss White
16473	35506APX	Gloss Gray
36270	35514APX	Flat Gray
36375*	35500APX	Flat Gray
36118	35501APX	Flat Gray
36173	35515APX	Flat Gray
37038	35508KPX	Flat Black

Other SAE AMS-STD-595 colors available upon request.

Smaller kit packaging available upon request.

Also meets performance of MIL-PRF-32239A

* Per Military Specification MIL-PRF-85285, once qualified for color number 17925 and 36375 qualification extends to other gloss, semi-gloss, and camouflage colors.

Color 17925 approved: NAWCADPAX Ltr 4123 Ser 43200A/11.0007.

Color 36375 approved: NAWCADPAX Ltr Ser 43400A/0015.

MIL-PRF-81352C, Type I 2.8 VOC, Single Component Acrylic Aircraft Touch-up			
SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	QPL NUMBER
31136	Flat Red	17866RLE	—
33538	Yellow	17867YLE	—
34079	Green	19351GLE	—
36173	Gray	19354ALE	—
36231	Gray	17870ALE	—
36375	Gray	18419ALE	4123 Ser. 434200A/9.5100
37038	Black	17169KLE	—

Other SAE AMS-STD-595 colors available upon request. Currently, flat colors only.

Per Military Specification MIL-PRF-81352, once qualified for color 36375, qualification extends to all other camouflage colors.

Military Aircraft Thinners & Additives

MIL-T-81772C Thinner

TYPE	DESCRIPTION	PRODUCT NUMBER	CERTIFIED PRODUCT
I	Polyurethane and Epoxy Thinner	00053SST-1	Yes
II	Epoxy Thinner	00212SST-1	Yes
III	Acrylic & Alkyd Thinner	01175SST-1	Yes
IV	HAPS-Free CARC Thinner	00055SST	Yes

Non-VOC Reducer

DESCRIPTION	PRODUCT NUMBER
Non-VOC Zenthane® Reducer - Summer Blend	08045SSB
Non-VOC Zenthane® Reducer - Standard Blend	08176SSB

Urethane Accelerators

PRODUCT NUMBER	DESCRIPTION	SPECIFICATION	SIZE
1172CHD	Urethane Accelerator Additive	—	Quart
4655CHD	Zenthane® Plus / Ura-Zen Accelerator Additive	—	Quart



Military Aircraft Specialty Coatings

MIL-PRF-14105E, Type II Paint, Heat Resistant

SAE AMS-STD-595 COLOR NUMBER	COLOR DESCRIPTION	PRODUCT NUMBER	NSN NUMBER	CERTIFIED PRODUCT
30051	Brown 383	02379TML-HF	8010-01-235-2695	Yes
34094	Green 383	02359GML-HF	8010-01-235-4164	Yes
37030	Flat Black	02308KML-HF	8010-01-235-4166	Q2148
33446	Tan 686A	02329TML-HF	N/A	Yes

A-A-59166, Type II, 1.8 VOC Coating Compound, Nonslip (For Walkways) - Non-Skid Zenthane®, Type II Rough Texture (with Grit)

CARC COLOR	DESCRIPTION	PRODUCT NUMBER	CERTIFIED PRODUCT
37875 Aircraft White	Non-Skid	03831WMZ-B	Yes
34094 Green 383	Non-Skid	03884GMZ-B	Yes
37030 Black	Non-Skid	03885KMZ-B	Yes
33446 Tan 686A	Non-Skid	03973TMZ-B	Yes
36173 Gray	Non-Skid	03972AMZ-B	Yes

SR-40

PRODUCT NUMBER	DESCRIPTION	SPECIFICATION	SIZE
SR-40	Wipe Solvent Cleaner	LMCO STM 32-307	Gallon / Pail / Drum

Alert

PRODUCT NUMBER	DESCRIPTION	SPECIFICATION	SIZE
Alert Series	Reflective Coating	—	1 Gallon

Military Aircraft Specialty Coatings

MIL-PRF-85285F, Type IV, Class H High Solids Polyurethane Anti-Chafe Coating for Aircraft

SAE AMS-STD-595 COLOR NUMBER	PRODUCT NUMBER	SIZE
Mixing Ratio, Semi-Gloss & Flat Finishes, 3:1 by Volume with Component B, 35502CMU		
26231	35564APX	1 Gallon kit
27925	35633WPX	1 Gallon kit
36118	35624APX	1 Gallon kit
36170	35630APX	1 Gallon kit
36251	35639APX	1 Gallon kit
36270	35631APX	1 Gallon kit
36320	35632APX	1 Gallon kit
36375	35620APX	1 Gallon kit
37038	35599KPX	1 Gallon kit

Other SAE AMS-STD-595 colors available upon request.





With five manufacturing sites, Hentzen Coatings is ready to meet your needs to keep you up and running.

The pursuit of perfection for more than 100 years. Market driven. Customer focused. Quality unsurpassed.

Headquartered in Milwaukee, Wisconsin since 1923, Hentzen Coatings, Inc. specializes in the development, engineering and manufacturing of liquid and powder coatings for aerospace, military and general industrial applications. Our coatings are custom engineered to perform in extreme conditions and are continually improved to meet exacting customer needs. Hentzen products exceed market-driven specifications and are manufactured in state-of-the-art facilities in Milwaukee, Wisconsin; Batavia, Illinois; Greenville, South Carolina; Clearwater, Florida; and through joint venture partners in China and India. Distribution facilities in Mexico service Central and South America.

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