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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. K...*

*Director of the United States Patent and Trademark Office*



## Defense Primers

| DOD-P-15328D<br>Primer (Wash) Pretreatment (Formula #117 for Metals) |             |                        |               |                  |               |
|----------------------------------------------------------------------|-------------|------------------------|---------------|------------------|---------------|
| Color                                                                | Description | Hentzen 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<br>Primer (Wash) Pretreatment |             |                        |               |            |               |
|-------------------------------------------|-------------|------------------------|---------------|------------|---------------|
| Color                                     | Description | Hentzen 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.

## Defense Primers

| TT-C-490F; Type III, Class A<br>Chrome-Free Wash Primer; Metal Pretreatment |                    |                        |                |              |            |
|-----------------------------------------------------------------------------|--------------------|------------------------|----------------|--------------|------------|
| Color                                                                       | Description        | Hentzen Product Number | Size           | Mixing Ratio | QPL Number |
| —                                                                           | Metal Pretreatment | 17245BEP/17246CEH      | 1 ¼ Gallon kit | 4:1          | P00006     |
|                                                                             |                    |                        | 5 Gallon kit   | 4:1          | P00006     |

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





## Defense Primers

| MIL-DTL-53022F<br>Primer, Epoxy Coating, Corrosion Inhibiting, Lead & Chromate Free                                                                                                                                     |                       |                        |                |                  |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|----------------|------------------|------------|
| Color                                                                                                                                                                                                                   | Description           | Hentzen Product Number | Size           | NSN Number       | QPL Number |
| Type IV - MIL-DTL-53022F<br>Mixing Ratio 4:1 by Volume with Component B22170CEH<br>High Solids, Enhanced Corrosion Performance, Lead & Chromate Free, HAPS-Free Formulation,<br>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 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.



## Defense Primers

| MIL-PRF-23377K<br>Primer Coatings: Epoxy, High Solids                                                       |                                          |                        |                  |                                                 |
|-------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------|------------------|-------------------------------------------------|
| Color                                                                                                       | Description                              | Hentzen Product Number | NSN Number       | QPL Number                                      |
| <b>Type I, Class C1</b><br>Mixing Ratio 3:1 by Volume with Component B, 16709CEH                            |                                          |                        |                  |                                                 |
| Yellow                                                                                                      | High Solids Epoxy Primer                 | 53012YEP               | N/A              | 4123 Ser.<br>434300A/9.5076<br>25 February 2009 |
| <b>Type I, Class C2</b><br>Mixing Ratio 3:1 by Volume with Component B, AD2298-FD                           |                                          |                        |                  |                                                 |
| Yellow                                                                                                      | Fast Dry Epoxy Primer                    | AD9318-FD              | 8010-01-416-6557 | 4123 Ser.<br>434200A/7.4951<br>30 March 2007    |
| Yellow                                                                                                      | Fast Dry Epoxy Primer Aerosol            | AAD9318-FD-SC          | 8010-01-528-4864 | SER AIR-4.3.4.2/17-043                          |
| <b>Type II, Class C2*</b><br>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.<br>434200A/11.0005<br>26 October 2010 |
| <b>Type I, Class N, Solvent-Based Non-Chrome</b><br>Mixing Ratio 3:1 by Volume with Component B, 16709CEH   |                                          |                        |                  |                                                 |
| Tan                                                                                                         | Non-Chrome Epoxy Primer                  | 16708TEP               | N/A              | 4123 Ser.<br>497000A/7.4791<br>27 January 2005  |
| Tan                                                                                                         | Non-Chrome Epoxy Primer Aerosol          | A16708TEP-SC           | N/A              | SER AIR-4.3.4.2/17-036                          |
| <b>Type II, Class N, Solvent-Based Non-Chrome*</b><br>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.<br>497000A/7.4791<br>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<br>Water-Based, Chromated                                  |                                      |                        |                  |                                             |
|---------------------------------------------------------------------------|--------------------------------------|------------------------|------------------|---------------------------------------------|
| Color                                                                     | Description                          | Hentzen Product Number | NSN Number       | QPL Number                                  |
| Type I, Class C2<br>Mixing Ratio 4:1 by Volume with Component B, AD2304   |                                      |                        |                  |                                             |
| Green                                                                     | Water-Based Epoxy Primer             | AD9320                 | 8010-01-292-8893 | 4123 Ser.<br>434200A/7.4977<br>15 June 2007 |
| Type II, Class C2*<br>Mixing Ratio 4:1 by Volume with Component B, AD2304 |                                      |                        |                  |                                             |
| Dark Green                                                                | Water-Based Epoxy Primer<br>- Low IR | AD3247                 | N/A              | 4123 Ser.<br>434200A/7.4976<br>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-32550; TYPE I, FORM A, CLASS S<br>Metal Rich Primer |                        |            |
|-------------------------------------------------------------|------------------------|------------|
| Description                                                 | Hentzen Product Number | QPL Number |
| Metal Rich Epoxy Primer, Organic                            | 00812FEP-2             | Q2248      |
| Metal Rich Zenthane® Primer, Organic - Single Component     | 09443FMU-6             | Q2246      |
| Metal Rich 3.50 VOC Primer                                  | 18255FEP               | Q2247      |



## Defense Topcoats

| MIL-DTL-53039E, Type IV<br>1.0 VOC VOHAPS-Free Zenthane®, Silica Free, Polymeric Bead Flattened<br>Single Component Aliphatic Polyurethane Coating, Chemical Agent Resistant (CARC) |                         |                           |          |                  |               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------|----------|------------------|---------------|
| FED-STD-595<br>Color Number                                                                                                                                                         | Color<br>Description    | Hentzen Product<br>Number | Size     | NSN Number       | QPL<br>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<br>Black  | 17991KUZ-ULVOC            | 1 Gallon | 8010-01-582-7239 | Q1812         |
| 37038                                                                                                                                                                               | Aircraft Black          | 08628KUZ-ULVOC            | 1 Gallon | 8010-01-582-7294 | Q1813         |
| 34201                                                                                                                                                                               | Woodland<br>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 | N/A              | 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         |

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

| MIL-DTL-53039E, Type VIII<br>Aerosol Touch-Up, Polymeric Bead Flattened |                      |                           |              |                  |               |
|-------------------------------------------------------------------------|----------------------|---------------------------|--------------|------------------|---------------|
| FED-STD-595<br>Color Number                                             | Color<br>Description | Hentzen Product<br>Number | Size         | NSN Number       | QPL<br>Number |
| 30051                                                                   | Brown 383            | 08606TUZ-AERO             | 6 oz Aerosol | N/A              | Q2278         |
| 33446                                                                   | Tan 686A             | 08609TUZ-AERO             | 6 oz Aerosol | 8010-01-576-8920 | Q1862         |
| 34094                                                                   | Green 383            | 08605GUZ-AERO             | 6 oz Aerosol | 8010-01-576-8919 | Q1861         |
| 37030                                                                   | Black                | 08610KUZ-AERO             | 6 oz Aerosol | N/A              | Q2268         |
| 34031                                                                   | Aircraft Green       | 08625GUZ-AERO             | 6 oz Aerosol | N/A              | Pending       |
| 37038                                                                   | Aircraft Black       | 08628KUZ-AERO             | 6 oz Aerosol | N/A              | Pending       |

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-53039E, Type IX<br>Maximum 3.5 VOC VOHAP-Free, Polymeric Bead Flattened |                      |                           |          |                  |               |
|---------------------------------------------------------------------------------|----------------------|---------------------------|----------|------------------|---------------|
| FED-STD-595<br>Color Number                                                     | Color<br>Description | Hentzen Product<br>Number | Size     | NSN Number       | QPL<br>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.



## Defense Topcoats

| MIL-DTL-64159B, Type II<br>Coating, Water Dispersible Aliphatic Polyurethane, Chemical Agent Resistant |                         |                           |               |                  |               |
|--------------------------------------------------------------------------------------------------------|-------------------------|---------------------------|---------------|------------------|---------------|
| FED-STD-595<br>Color Number                                                                            | Color<br>Description    | Hentzen Product<br>Number | Size          | NSN Number       | QPL<br>Number |
| Type II – Polymeric Bead Flattened<br>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/<br>16932CMU     | 3 Gallon kit  | 8010-01-493-3194 | Q1679         |
|                                                                                                        |                         |                           | 15 Gallon kit | 8010-01-493-3195 |               |
| 37038                                                                                                  | Aircraft Black          | 17101KWA/<br>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<br>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.

## Defense Topcoats

| MIL-PRF-22750G, Type II, Class H, Grade A<br>Coating, Epoxy-Polyamide, 1.8 VOC  |                   |                           |              |                  |
|---------------------------------------------------------------------------------|-------------------|---------------------------|--------------|------------------|
| FED-STD-595<br>Color Number                                                     | Color Description | Hentzen Product<br>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<br>Coating, Epoxy-Polyamide, 1.8 VOC |                   |                           |              |                  |
| FED-STD-595<br>Color Number                                                     | Color Description | Hentzen Product<br>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 FED-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-85285E, MMS 420<br>Coating: Polyurethane, High Solids,<br>3.5 VOC - Type I - Aircraft Application - High Performance                     |                   |                        |              |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------|--------------|------------------|
| FED-STD-595 Color Number                                                                                                                                        | Color Description | Hentzen Product Number | Size         | NSN Number       |
| <b>Gloss Zenthane® Plus</b><br>Component B = Activator:<br>04600CHA-SG (standard dry) or<br>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 FED-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 - ½ pint Component B in a ½ pint container. Mixing ratio = 3:1 by volume.

Per Military Specification MIL-PRF-85285E, 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.



## Defense Topcoats

| MIL-PRF-85285E; Type I<br>Aerosol Touch-up, Polyurethane, High Solids |                        |                                   |                  |
|-----------------------------------------------------------------------|------------------------|-----------------------------------|------------------|
| FED-STD-595 Color Number                                              | Hentzen 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 FED-STD-595 colors available upon request.

Product supplied in 400ML cans.

\* QPL AIR.4.3.4.6 SER 17-0030.

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

## Defense Topcoats

| MIL-PRF-85285E, Type I<br>Coating: Polyurethane, High Solids, 2.8 VOC, Aircraft Application |                        |                                   |
|---------------------------------------------------------------------------------------------|------------------------|-----------------------------------|
| FED-STD-595 Color Number                                                                    | Hentzen 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 FED-STD-595 colors available upon request.

Smaller kit packaging available upon request.

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

## Defense Topcoats

| MIL-PRF-85285E, Type II<br>Coating: Polyurethane, High Solids, 2.8 VOC, Ground Support |                        |                                   |
|----------------------------------------------------------------------------------------|------------------------|-----------------------------------|
| FED-STD-595 Color Number                                                               | Hentzen 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 FED-STD-595 colors available upon request.

Smaller kit packaging available upon request.

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

Defense Topcoats

| MIL-PRF-85285E, Type IV<br>Coating: Advanced Polymer Coating (APC), High Solids, 3.5 VOC                                                                                          |                        |                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------|
| FED-STD-595 Color Number                                                                                                                                                          | Hentzen Product Number | Hentzen Description - Component A |
| Type IV - Aircraft Application<br>Mixing Ratio, Flat Finishes, 3:1 by Volume with Component B, 35502CMU<br>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 Fed-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.



Defense Powder Coatings

| MIL-PRF-32348 Powder Coating, Camouflage CARC Systems |               |                        |            |
|-------------------------------------------------------|---------------|------------------------|------------|
| FED-STD-595 Color Number                              | Color         | Hentzen 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-V6            | Q2140      |
| 34094                                                 | 383 Green     | P8605GUZ-V1            | Q2234      |
| 37030                                                 | 383 Black     | P8610KUZ-V1            | 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<br>Thinner |                                |                        |                   |
|-------------------------|--------------------------------|------------------------|-------------------|
| Type                    | Description                    | Hentzen 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               |

| Non-VOC Reducer                            |                        |
|--------------------------------------------|------------------------|
| Description                                | Hentzen Product Number |
| Non-VOC Zenthane® Reducer - Summer Blend   | 08045SSB               |
| Non-VOC Zenthane® Reducer - Standard Blend | 08176SSB               |

| Zenthane® Retarder |                        |
|--------------------|------------------------|
| Description        | Hentzen Product Number |
| Zenthane® Retarder | 00222CHS               |



## Defense Specialty Coatings

| MIL-PRF-14105E, Type II<br>Paint, Heat Resistant |                   |                        |                  |                   |
|--------------------------------------------------|-------------------|------------------------|------------------|-------------------|
| FED-STD-595 Color Number                         | Color Description | Hentzen 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<br>Coating Compound, Nonslip (For Walkways) - Non-Skid Zenthane®,<br>Type II Rough Texture (with Grit) |             |                        |                   |
|------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------|-------------------|
| CARC Color                                                                                                                         | Description | Hentzen 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-C-450C<br>Coating Compound, Bituminous Solvent Type |                          |                        |                   |
|---------------------------------------------------------|--------------------------|------------------------|-------------------|
| CARC Color                                              | FED-STD-595 Color Number | Hentzen Product Number | Certified Product |
| Type II - High Solids                                   |                          |                        |                   |
| Black                                                   | N/A                      | 04999KMM               | Yes               |



## Military Aircraft Primers

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

## Military Aircraft Primers

| MIL-PRF-23377K<br>Primer Coatings: Epoxy, High Solids                                                |                                          |                        |                  |                                                 |
|------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------|------------------|-------------------------------------------------|
| Color                                                                                                | Description                              | Hentzen Product Number | NSN Number       | QPL Number                                      |
| Type I, Class C1<br>Mixing Ratio 3:1 by Volume with Component B, 16709CEH                            |                                          |                        |                  |                                                 |
| Yellow                                                                                               | High Solids Epoxy Primer                 | 53012YEP               | N/A              | 4123 Ser.<br>434300A/9.5076<br>25 February 2009 |
| Type I, Class C2<br>Mixing Ratio 3:1 by Volume with Component B, AD2298-FD                           |                                          |                        |                  |                                                 |
| Yellow                                                                                               | Fast Dry Epoxy Primer                    | AD9318-FD              | 8010-01-416-6557 | 4123 Ser.<br>434200A/7.4951<br>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*<br>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.<br>434200A/11.0005<br>26 October 2010 |
| Type I, Class N, Solvent-Based Non-Chrome<br>Mixing Ratio 3:1 by Volume with Component B, 16709CEH   |                                          |                        |                  |                                                 |
| Tan                                                                                                  | Non-Chrome Epoxy Primer                  | 16708TEP               | N/A              | 4123 Ser.<br>497000A/7.4791<br>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*<br>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.<br>497000A/7.4791<br>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-53039E, Type IV<br>1.0 VOC VOHAPS-Free Zenthane®, Silica Free, Polymeric Bead Flattened<br>Single Component Aliphatic Polyurethane Coating, Chemical Agent Resistant (CARC) |                     |                        |          |                  |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------|----------|------------------|------------|
| FED-STD-595 Color Number                                                                                                                                                            | Color Description   | Hentzen 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-53039E, Type IX<br>Maximum 3.5 VOC VOHAP-Free, Polymeric Bead Flattened |                   |                        |          |                  |            |
|---------------------------------------------------------------------------------|-------------------|------------------------|----------|------------------|------------|
| FED-STD-595 Color Number                                                        | Color Description | Hentzen 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.*

## Military Aircraft Topcoats

| MIL-DTL-64159B, Type II<br>Coating, Water Dispersible Aliphatic Polyurethane, Chemical Agent Resistant |                   |                        |               |                  |            |
|--------------------------------------------------------------------------------------------------------|-------------------|------------------------|---------------|------------------|------------|
| FED-STD-595 Color Number                                                                               | Color Description | Hentzen Product Number | Size          | NSN Number       | QPL Number |
| Type II – Polymeric Bead Flattened<br>Mixing Ratio 2:1 by Volume with Component B, 07170CMU            |                   |                        |               |                  |            |
| 34031                                                                                                  | Aircraft Green    | 16931GWU/<br>16932CMU  | 3 Gallon kit  | 8010-01-493-3194 | Q1679      |
|                                                                                                        |                   |                        | 15 Gallon kit | 8010-01-493-3195 |            |
| 37038                                                                                                  | Aircraft Black    | 17101KWA/<br>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-85285E, MMS 420<br>Coating: Polyurethane, High Solids,<br>3.5 VOC - Type I - Aircraft Application - High Performance                     |                   |                        |              |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------|--------------|------------------|
| FED-STD-595 Color Number                                                                                                                                        | Color Description | Hentzen Product Number | Size         | NSN Number       |
| <b>Gloss Zenthane® Plus</b><br>Component B = Activator:<br>04600CHA-SG (standard dry) or<br>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 FED-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 - ½ pint Component B in a ½ pint container. Mixing ratio = 3:1 by volume.

Per Military Specification MIL-PRF-85285E, 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-85285E; Type I<br>Aerosol Touch-up, Polyurethane, High Solids |                        |                                   |                  |
|-----------------------------------------------------------------------|------------------------|-----------------------------------|------------------|
| FED-STD-595 Color Number                                              | Hentzen 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 FED-STD-595 colors available upon request.

Product supplied in 400ML cans.

\* QPL AIR.4.3.4.6 SER 17-0030.

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

## Military Aircraft Topcoats

| MIL-PRF-85285E, Type I<br>Coating: Polyurethane, High Solids, 2.8 VOC, Aircraft Application |                        |                                   |
|---------------------------------------------------------------------------------------------|------------------------|-----------------------------------|
| FED-STD-595 Color Number                                                                    | Hentzen 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 FED-STD-595 colors available upon request.

Smaller kit packaging available upon request.

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

## Military Aircraft Topcoats

| MIL-PRF-85285E, Type II<br>Coating: Polyurethane, High Solids, 2.8 VOC, Ground Support |                        |                                   |
|----------------------------------------------------------------------------------------|------------------------|-----------------------------------|
| FED-STD-595 Color Number                                                               | Hentzen 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 FED-STD-595 colors available upon request.

Smaller kit packaging available upon request.

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

## Military Aircraft Topcoats

| MIL-PRF-85285E, Type IV<br>Coating: Advanced Polymer Coating (APC), High Solids, 3.5 VOC                                                                                                 |                        |                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------|
| FED-STD-595 Color Number                                                                                                                                                                 | Hentzen Product Number | Hentzen Description - Component A |
| <b>Type IV - Aircraft Application</b><br>Mixing Ratio, Flat Finishes, 3:1 by Volume with Component B, 35502CMU<br>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 Fed-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<br>2.8 VOC, Single Component Acrylic Aircraft Touchup |                   |                        |                          |
|------------------------------------------------------------------------------|-------------------|------------------------|--------------------------|
| FED-STD-595 Color Number                                                     | Color Description | Hentzen Product Number | QPL Number               |
| 31136                                                                        | Red               | 17886RLE               | —                        |
| 33538                                                                        | Yellow            | 17867YLE               | —                        |
| 34079                                                                        | Green             | 19351GLE               | —                        |
| 36173                                                                        | Gray              | 19354ALE               | —                        |
| 36231                                                                        | Gray              | 17870ALE               | —                        |
| 36375                                                                        | Gray              | 18419ALE               | 4123 Ser. 434200A/9.5100 |
| 37038                                                                        | Black             | 17169KLE               | —                        |

Other FED-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<br>Thinner |                                |                        |                   |
|-------------------------|--------------------------------|------------------------|-------------------|
| Type                    | Description                    | Hentzen 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               |

| Non-VOC Reducer                            |                        |
|--------------------------------------------|------------------------|
| Description                                | Hentzen Product Number |
| Non-VOC Zenthane® Reducer - Summer Blend   | 08045SSB               |
| Non-VOC Zenthane® Reducer - Standard Blend | 08176SSB               |

| Urethane Accelerators  |                                               |               |       |
|------------------------|-----------------------------------------------|---------------|-------|
| Hentzen 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<br>Paint, Heat Resistant |                   |                        |                  |                   |
|--------------------------------------------------|-------------------|------------------------|------------------|-------------------|
| FED-STD-595 Color Number                         | Color Description | Hentzen 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<br>Coating Compound, Nonslip (For Walkways) - Non-Skid Zenthane®,<br>Type II Rough Texture (with Grit) |             |                        |                   |
|------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------|-------------------|
| CARC Color                                                                                                                         | Description | Hentzen 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                  |                      |                 |                      |
|------------------------|----------------------|-----------------|----------------------|
| Hentzen Product Number | Description          | Specification   | Size                 |
| SR-40                  | Wipe Solvent Cleaner | LMCO STM 32-307 | Gallon / Pail / Drum |

| Alert                  |                    |               |          |
|------------------------|--------------------|---------------|----------|
| Hentzen Product Number | Description        | Specification | Size     |
| Alert Series           | Reflective Coating | —             | 1 Gallon |

## Military Aircraft Specialty Coatings

| MIL-PRF-85285E, Type IV, Class H<br>High Solids Polyurethane Anti-Chafe Coating for Aircraft |                        |              |
|----------------------------------------------------------------------------------------------|------------------------|--------------|
| FED-STD-595 Color Number                                                                     | Hentzen 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 Fed-Std-595 colors available upon request.



## Worldwide Locations



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 95 years. Market driven. Customer focused. Quality unsurpassed.**

HeadQuarted 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 coating 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 a joint venture partner in China. Distribution facilities in Mexico service Central and South America.

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