

Technical Status Summary

18 April 2001

Boeing Military Aircraft & Missile Systems Group
Saint Louis, MO



April 17 Meeting Summary

- Minimal differences exist in operational testing results between the performance of chromated control primers and nonchrome test primers

April 17 Meeting Summary cont.

- Mil-Specs and some OEM primer material specifications may need wording changes to define different requirements between interior and exterior primers
- Additional discussion is needed to define implementation issues on priming interior surfaces of moldline skins

MIL-PRF-85582 Text

1.2 Classification. The primer coatings are of the following types and classes:

1.2.1 Type. The primer coatings consist of the following types:

Type I - Standard pigments

Type II - Low infrared reflective pigments

1.2.2 Class. The primer coatings consist of the following classes:

Class C1 - Barium chromate based corrosion inhibitors

Class C2 - Strontium chromate based corrosion inhibitors

Class N - Non-chromate based corrosion inhibitors.

MIL-PRF-85582 Text

6.1 Intended use. The primer coatings covered by this specification are corrosion-inhibiting ----- however, primer coatings containing water, such as this, should not be used on iron or bare carbon steel, nor for the wet installation of fasteners or faying surfaces. ---- **Class N may not be substituted for Class C1 or C2, unless authorization for its use is given by the procuring activity or engineering authority for the system or item to which the primer coating is to be applied.**

MIL-PRF-23377 Text

- 6.1 Intended use. ---- **Unless a specific type and/or class is referenced in a contract purchase order, Type 1, Class C is the default reference. The non-chromated (Class N) primer coatings are for use where federal, state, or local regulations restrict the use of chromate based materials. Class N primer coatings may only be used when authorization for its use is given by the procuring activity or the engineering authority for the system or item to which the primer coating is to be applied.**

Alternative Approval Method

EXAMPLE TEXT

- 6.1 Intended use. ---- **Class N may be substituted for Class C1 or C2, on exterior moldline surfaces that are subsequently top coated.** Class N may not be substituted for Class C1 or C2, **on interior surfaces** unless authorization for its use is given by the procuring activity or engineering authority for the system or item to which the primer coating is to be applied.