



## Phosphate Coating; Heavy

### [DOD-P-16232-F]

A coating for medium and low alloy steels. Gray to black in color. Intended uses: The "heavy" phosphate coatings covered by this specification are intended as a base for holding/retaining supplemental coatings which provide the major portion of the corrosion resistance.

"Light" phosphate coatings used for a paint base are covered by other specifications such as TT-C-490. Heavy zinc phosphate coatings may be used when paint and supplemental oil coatings are required on various parts or assemblies.

Heavy coating (.0002-.0004" thickness) is for corrosion and wear resistance.

**Type M:** Manganese phosphate base coating (min. 16g/m<sup>2</sup> or 11g/m when specified).

**Class 1:** Supplementary preservative treatment or coating, as specified.

**Class 2:** Supplementary treatment with lubricating oil conforming to MIL-L-3150.

**Class 3:** No supplementary treatment.

**Class 4:** Chemically converted (may be dyed to color as specified). With no supplementary coating or supplementary coating as specified.

**Type Z:** Zinc phosphate base coating, (min 11g/m).

**Class 1:** Supplementary preservative treatment or coating as specified.

**Class 2:** Supplementary treatment with preservative conforming to MIL-C-16173. Grade 3 or MIL-L-3150 as alternative for very small parts.

**Class 3:** No supplementary treatment

**Class 4:** Same as class above.