

# 鋼鐵

## MIL-DTL-16232G 標準厚膜型的磷酸錳及磷酸鋅皮膜規格

MIL-DTL-16232G 是由美國DoD所核准的規範，裡面的主要分類為

### Type M 磷酸錳皮膜

- Class 1 Supplementary preservative treatment or coating, as specified
- Class 2 Supplementary treatment with lubricating oil conforming to [MIL-PRF-16173](#), Grade 3 or MIL-PRF-3150
- Class 3 No supplementary treatment
- Class 4 Chemically converted (may be dyed to color as specified) With no supplementary coating or coating as specified

### Type Z 磷酸鋅皮膜

- Class 1 Supplementary preservative treatment or coating, as specified
- Class 2 Supplementary treatment with preservative conforming to [MIL-PRF-16173](#), Grade 3 or MIL-PRF-3150
- Class 3 No supplementary treatment
- Class 4 Chemically converted (may be dyed to color as specified) With no supplementary coating or coating as specified

### 膜厚

磷酸錳的期許膜厚為5 ~ 10  $\mu$  m

磷酸鋅的期許膜厚為5 ~ 15  $\mu$  m

### 裸件鹽霧能力

磷酸錳裸件（無鈍化封孔）的鹽霧時間（ASTM B-117）至少要有 **1.5小時**

磷酸鋅裸件（無鈍化封孔）的鹽霧時間至少要有 **2小時**

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作者 Author: 天聖金屬科技

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