

Tin Plate Shelf Life

RAF plates tin in various forms in accordance with ASTM B545. Within that specification, Sect: X6. DESIGN CONSIDERATIONS, subsections X6.2.3 Tin Oxidation and X6.3 Whisker Growth, discusses the issues of electro tin's condition over time. Furthermore, during April 2006 a NASA technical brief was published "Tin Whiskers: A History of Documented Electrical System Failures."

Based on this information, RAF places a 90-day shelf life, from the process completion date, on any electro tin plating performed in accordance with ASTM B545, which include but are not limited to RAF plate codes 14, 16 and 44.